

**A REPORT OF THE
NATIONAL ALFALFA AND MISCELLANEOUS LEGUMES
VARIETY REVIEW BOARD**



ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

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APRIL 2007



NATIONAL ALFALFA AND MISCELLANEOUS LEGUMES
VARIETY REVIEW BOARD

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES
(JANUARY 2007)

The Association of Official Seed Certifying Agencies (AOSCA), National Alfalfa and Miscellaneous Legumes Variety Review Board reviewed the following varieties, January 16, 2007, in Las Vegas, NV. The Board recommended the inclusion of these varieties for certification. Seed of these varieties may be certified providing, production meets all standards of the Certifying Agency of the state in which the seed is grown.

All variety information, including descriptions, claims and research data to support any claim was supplied to the National Alfalfa and Miscellaneous Legumes Variety Review Board by the applicants. The National Alfalfa and Miscellaneous Legumes Variety Review Board makes judgment regarding recommendation of varieties for inclusion in certification based on the data supplied. Beyond this, the National Alfalfa and Miscellaneous Legumes Variety Review Board takes no position on the accuracy or truthfulness of any description or claim made by the applicants.

Further information on current procedures, application forms and details regarding the National Alfalfa and Miscellaneous Legumes Variety Review Board can be obtained from:

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Respectively submitted,

Larry R. Teuber, Chair National Alfalfa and Miscellaneous Legumes Variety Review Board

2007 AOSCA ALFALFA & MISC LEGUMES NVRB

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PLACING THE CURSOR OVER THE DESIRED VARIETY/EXPERIMENTAL DESIGNATION & CLICKING WILL TAKE YOU DIRECTLY TO THE SUMMARY DESCRIPTION.

CW 04022

1. CW 04022 is a synthetic variety with 200 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations with high resistance to stem nematode from three-year old Wisconsin nurseries. Nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), Leptosphaerulina leafspot, and stem nematode. Parentage of CW 04022 traces to the following germplasm sources: miscellaneous Cal/West Seeds breeding populations (100%). Breeder seed was produced under cage isolation near Woodland, California in 2000. Seed was bulk harvested from all parent plants.
2. CW 04022 is adapted to the North Central, East Central, Great Plains, and Moderately Winterhardy Intermountain areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain and Winterhardy Intermountain areas of the U.S. areas of the U.S.. CW 04022 has been tested in Wisconsin, Iowa, South Dakota, Pennsylvania, Nebraska, and California.
3. CW 04022 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 96% purple, and 4% variegated, with a trace of cream.
4. CW 04022 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and stem nematode, with resistance to pea aphid, spotted alfalfa aphid, and root knot nematode (*Meloidogyne hapla*). Reaction to the blue alfalfa aphid has not been tested.
5. Seed increase of CW 04022 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2000. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 04022 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 30, 2006
Experimental designations: CW 04022

Upper Edge

1. Upper Edge is a synthetic variety with 180 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from three-year old Wisconsin nurseries. Nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of Upper Edge traces to the following germplasm sources: 9326 (6%), Abound (6%), and miscellaneous Cal/West Seeds breeding populations (88%). Breeder seed was produced under cage isolation near Woodland, California in 2001. Seed was bulk harvested from all parent plants.

2. Upper Edge is adapted to the North Central, East Central, Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. Upper Edge has been tested in Wisconsin, Iowa, Minnesota, Pennsylvania, Kansas and South Dakota.

3. Upper Edge is a moderately dormant variety with fall dormancy similar to FD class 3 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple, and 1% variegated.

4. Upper Edge has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and Aphanomyces root rot (race 1), with resistance to pea aphid. Reaction to the blue alfalfa aphid, spotted alfalfa aphid, root knot nematode (Meloidogyne hapla), and stem nematode has not been tested.

5. Seed increase of Upper Edge is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of Upper Edge will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name: Upper Edge

Date submitted: December 1, 2006

Experimental designations: CW 13015

CW 13019

1. CW 13019 is a synthetic variety with 205 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from five-year old Wisconsin, five-year old Pennsylvania, three-year old Iowa, three-year old Wisconsin yield trials, and from three-year old Wisconsin nurseries. Yield trial source varieties and nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 13019 traces to the following germplasm sources: Setter (1%), Abound (2%), 9326 (2%), 30-30Q (2%), FQ 315 (6%), TopHand (9%), Supreme (13%), Extreme (14%), and miscellaneous Cal/West Seeds breeding populations (51%). Breeder seed was produced under cage isolation near Woodland, California in 2001. Seed was bulk harvested from all parent plants.
2. CW 13019 is adapted to the North Central, East Central, and Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 13019 has been tested in Wisconsin, Pennsylvania, Kansas, and South Dakota.
3. CW 13019 is a moderately dormant variety with fall dormancy similar to FD class 3 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple, and 1% yellow, with a trace of cream.
4. CW 13019 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and Aphanomyces root rot (race 1), with resistance to pea aphid. Reaction to the blue alfalfa aphid, spotted alfalfa aphid, root knot nematode (Meloidogyne hapla) and stem nematode has not been tested.
5. Seed increase of CW 13019 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 13019 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 30, 2006
Experimental designations: CW 13019

PGI 437

Amendment - Description

1. PGI 437 is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains areas of the U.S. PGI 437 has been tested in Wisconsin, Minnesota, South Dakota, Iowa, Indiana, Ohio, and Pennsylvania.
2. PGI 437 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is greater than 99% purple with a trace of variegated, white, cream, and yellow. PGI 437 has resistance to lodging with standability rating similar to class 7 check variety.
3. PGI 437 has high resistance to anthracnose (race 1) and Fusarium wilt, resistance to bacterial wilt, Verticillium wilt, Phytophthora root rot and, Aphanomyces root rot (race 1), and moderate resistance to pea aphid and spotted alfalfa aphid. Reaction to the blue alfalfa aphid, stem nematode, and root knot nematode has not been tested.
4. Seed increase of PGI 437 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of PGI 437 will be available in 2005.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: PGI 437

Experimental Designation: CW 14032

Date NA&MLVRB first accepted this variety: January 2005

Date previous amendments were accepted: January 2006

Date this amendment submitted: November 30, 2006

CW 15029

1. CW 15029 is a synthetic variety with 220 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from five-year old Wisconsin, three-year old Wisconsin and Iowa yield trials. Yield trial source varieties were derived from various populations that were developed by phenotypic recurrent selection for high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 15029 traces to the following germplasm sources: Alliant (1%), WinterGold (2%), Trialfalon (4%), 9429 (5%), 512 (32%), Ascend (32%), and miscellaneous Cal/West Seeds breeding populations (24%). Breeder seed was produced under cage isolation near Woodland, California in 2001. Seed was bulk harvested from all parent plants.
2. CW 15029 is adapted to the North Central, East Central, and Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 15029 has been tested in Wisconsin, Minnesota, Indiana, Ohio, Pennsylvania, Nebraska, and South Dakota.
3. CW 15029 is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is approximately 97% purple, 2% yellow, and 1% cream, with a trace of variegated.
4. CW 15029 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and root knot nematode (Meloidogyne hapla) with resistance to pea aphid, and stem nematode. Reaction to the blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase of CW 15029 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 15029 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 30, 2006

Experimental designations: CW 15029

Escalade Amendment – Description

1. Escalade is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains areas of the U.S. Escalade has been tested in Wisconsin, Minnesota, South Dakota, Iowa, Indiana, Ohio, and Pennsylvania.

2. Escalade is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is greater than 99% purple with a trace of variegated, white, cream, and yellow. Escalade has moderate resistance to lodging with standability rating similar to class 3 check variety.

3. Escalade has high resistance to bacterial wilt and Phytophthora root rot, resistance to anthracnose (race 1), Fusarium wilt, Verticillium wilt, Aphanomyces root rot (race 1), and pea aphid, and moderate resistance to spotted alfalfa aphid. Reaction to the blue alfalfa aphid, stem nematode, and root knot nematode has not been tested.

4. Seed increase of Escalade is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

5. Certified seed of Escalade will be available in 2005.

6. No decision has been made regarding Plant Variety Protection.

7. This information can be forwarded to the PVP office.

8. Variety Name: Escalade

Experimental Designation: CW 15030

Date NA&MLVRB first accepted this variety: January 2005

Date previous amendments were accepted: January 2006

Date this amendment submitted: November 30, 2006

Exceleator

Amendment – Name Change

1. Exceleator is adapted to the North Central area of the U.S. and is intended for use in the North Central, East Central, Great Plains areas of the U.S. Exceleator has been tested in Wisconsin, South Dakota, and Iowa.
2. Exceleator is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is greater than 99% purple with a trace of variegated, white, cream, and yellow. Exceleator has moderate resistance to lodging with standability rating similar to class 5 check variety.
3. Exceleator has high resistance to Verticillium wilt, Phytophthora root rot, and pea aphid, with resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Aphanomyces root rot (race 1), and spotted alfalfa aphid. Reaction to the blue alfalfa aphid, stem nematode, and root knot nematode has not been tested.
4. Seed increase of Exceleator is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of Exceleator will be available in 2005.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: Exceleator

Experimental Designation: CW 15041

Date NA&MLVRB first accepted this variety: January 2005.

Date previous amendments were accepted:

Date this amendment submitted: November 30, 2006.

CW 24005

1. CW 24005 is a synthetic variety with 65 parent plants that were selected sequentially for winter hardiness, high forage yield, high relative feed value, and multifoliolate leaf expression. Parent plants were selected from various populations from five-year old Wisconsin and Pennsylvania, three-year old Minnesota, Pennsylvania and Wisconsin yield trials, and from three-year old Wisconsin nurseries. Yield trial source varieties and nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for winter hardiness, high forage yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 24005 traces to the following germplasm sources: Radiant (2%), Foremost (2%), A4230 (2%), Harmony (2%), FQ 315 (3%), 9429 (3%), GH 700 (3%), WinterGold (6%), Alliant (10%), and miscellaneous Cal/West Seeds breeding populations (67%). Breeder seed was produced under cage isolation near Woodland, California in 2002. Seed was bulk harvested from all parent plants.

2. CW 24005 is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 24005 has been tested in Wisconsin, Iowa, and South Dakota.

3. CW 24005 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple, and 1% variegated, with a trace of cream.

4. CW 24005 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and pea aphid. Reaction to the blue alfalfa aphid, spotted alfalfa aphid, root knot nematode (*Meloidogyne hapla*), and stem nematode has not been tested.

5. Seed increase of CW 24005 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of CW 24005 will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name:

Date submitted: November 30, 2006

Experimental designations: CW 24005

CW 24025

1. CW 24025 is a synthetic variety with 230 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from three-year old Minnesota Wisconsin and Illinois yield trials. Yield trial source varieties were derived from various populations that were developed by phenotypic recurrent selection for winter hardiness, high forage yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 24025 traces to the following germplasm sources: Tribute (24%) and WinterGold (76%). Breeder seed was produced under cage isolation near Woodland, California in 2002. Seed was bulk harvested from all parent plants.

2. CW 24025 is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 24025 has been tested in Wisconsin, Iowa, and South Dakota.

3. CW 24025 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 97% purple, 2% variegated, and 1% white.

4. CW 24025 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and root knot nematode (Meloidogyne hapla), with resistance to pea aphid and stem nematode. Reaction to the blue alfalfa aphid and spotted alfalfa aphid has not been tested.

5. Seed increase of CW 24025 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of CW 24025 will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name:

Date submitted: November 30, 2006

Experimental designations: CW 24025

eXalt

1. eXalt is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. eXalt has been tested in Wisconsin, Iowa, and South Dakota.
2. eXalt is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 96% purple, 1% variegated, 1% white, 1% cream and 1% yellow.
3. eXalt has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, and Phytophthora root rot, with resistance to Aphanomyces root rot (race 1). Reaction to the pea aphid, spotted alfalfa aphid, blue alfalfa aphid, stem nematode, and root knot nematode has not been tested.
4. Seed increase of eXalt is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of eXalt will be available in 2006.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: eXalt

Experimental Designation: CW 24033

Date NA&MLVRB first accepted this variety: January 2006

Date previous amendments were accepted:

Date this amendment submitted: November 30, 2006

CW25037

1. CW 25037 is a synthetic variety with 240 parent plants. Parent plants were selected from crosses between selections of various populations from three-year old Wisconsin nurseries. Nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for winter hardiness, high forage dry matter yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), high milk per acre using Milk2000, and high rumen undegradable protein using (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 25037 traces to the following germplasm sources: 9429 (2%), FQ 315 (3%), WinterGold (4%), Alliant (5%), CW 45098 (7%), CW 55058 (7%), Tribute (12%), and miscellaneous Cal/West Seeds breeding populations (60%). Breeder seed was produced under cage isolation near Woodland, California in 2002. Seed was bulk harvested from all parent plants.
2. CW 25037 is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 25037 has been tested in Wisconsin, Iowa, and South Dakota.
3. CW 25037 is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is approximately 94% purple, 3% yellow, 2% cream, and 1% variegated, with a trace of white.
4. CW 25037 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and root knot nematode (Meloidogyne hapla), with resistance to pea aphid and stem nematode. Reaction to the blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase of CW 25037 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 25037 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 30, 2006
Experimental designations: CW 25037

CW 29095

1. CW 29095 is a synthetic variety with 77 parent plants which were selected for persistence and vigor following two years of close continuous grazing with both cattle and sheep at Woodland, California. Original source populations were developed by a combination of phenotypic recurrent selection and strain crossing with selection for resistance to one or more of the following pests: Fusarium wilt, Verticillium wilt, Phytophthora root rot, anthracnose (race 1), spotted alfalfa aphid, blue alfalfa aphid, and stem nematode. Parentage of CW 29095 traces to ACA 900 (20%), CW 1010 (20%), Topacio (15%), and miscellaneous Cal/West Seeds breeding populations (45%). Breeder seed (Syn.1) was produced under open isolation near Woodland, California in 2002.
2. CW 29095 is adapted to and is intended for use in the Southwest area of the U.S. and Mexico. CW 29095 has been tested in California and Mexico.
3. CW 29095 is a nondormant variety with fall dormancy similar to FD class 8 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple and 1% white with a trace of variegated, cream, and yellow.
4. CW 29095 has high resistance to Fusarium wilt, Phytophthora root rot, spotted alfalfa aphid, blue alfalfa aphid, and northern root knot nematode with resistance to pea aphid, and stem nematode. Reaction to anthracnose (race 1), bacterial wilt, Verticillium wilt, Aphanomyces root rot (race 1), and southern root knot nematode has not been tested.
5. Seed increase of CW 29095 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under open isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 29095 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: December 1, 2006
Experimental designations: CW 29095

WinterKing II

1. WinterKing II is a synthetic variety with 225 parent plants that that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections from a four-year old Wisconsin yield trial managed by applying the Mineralized, Balanced Agriculture system of Midwestern Bio-Ag. Yield trial source varieties were derived from various populations that were developed by phenotypic recurrent selection for winter hardiness, high forage dry matter yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of WinterKing II traces to the following germplasm sources: Alliant (3%), 512 (6%), 9429 (6%), Sprint (6%), FQ 315 (10%), WinterGold (10%), A4230 (10%), GH 700 (10%), Foremost (13%), Ascend (16%), and miscellaneous Cal/West Seeds breeding populations (10%). Breeder seed was produced under cage isolation near Woodland, California in 2003. Seed was bulk harvested from all parent plants.
2. WinterKing II is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. WinterKing II has been tested in Wisconsin, Iowa, and Minnesota.
3. WinterKing II is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple.
4. WinterKing II has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and Aphanomyces root rot (race 1), with resistance to pea aphid and moderate resistance to stem nematode. Reaction to the blue alfalfa aphid, root knot nematode (Meloidogyne hapla), and spotted alfalfa aphid has not been tested.
5. Seed increase of WinterKing II is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2003. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of WinterKing II will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: WinterKing II Date submitted: December 1, 2006
Experimental designations: CW 34015

CW 34019

1. CW 34019 is a synthetic variety with 220 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from five-year old Wisconsin, three-year old Wisconsin, Minnesota and Iowa yield trials. Yield trial source varieties were derived from various populations that were developed by phenotypic recurrent selection for winter hardiness, high forage yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 34019 traces to the following germplasm sources: GH 700 (1%), 9429 (1%), A4230 (1%), Extreme (1%), Supreme (1%) AlfaStar II (2%), Bobwhite (8%), PGI 424 (9%), SummerGold (13%), and miscellaneous Cal/West Seeds breeding populations (63%). Breeder seed was produced under cage isolation near Woodland, California in 2003. Seed was bulk harvested from all parent plants.

2. CW 34019 is adapted to the North Central, East Central and Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 34019 has been tested in Wisconsin, Minnesota, Iowa, Pennsylvania, and Kansas.

3. CW 34019 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple, and 1% variegated.

4. CW 34019 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, and Phytophthora root rot, with resistance to Aphanomyces root rot (race 1), and with moderate resistance to pea aphid. Reaction to the blue alfalfa aphid, root knot nematode (Meloidogyne hapla), stem nematode and spotted alfalfa aphid has not been tested.

5. Seed increase of CW 34019 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2003. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of CW 34019 will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name:

Date submitted: November 30, 2006

Experimental designations: CW 34019

PGI 427

1. PGI 427 is a synthetic variety with 192 parent plants selected sequentially for germination, seedling growth, and mature plant regrowth after repeated irrigation with 100 mM NaCl solution in the greenhouse. Parent plants were selected from crosses between NaCl tolerant plants from numerous source varieties. The source varieties were selected from various populations developed by phenotypic recurrent selection for winter hardiness, high forage dry matter yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of PGI 427 traces to the following germplasm sources: WinterGold (8%), DK 142 (31%), and miscellaneous Cal/West Seeds breeding populations (61%). Breeder seed was produced under cage isolation near Woodland, California in 2003. Seed was bulk harvested from all parent plants.

2. PGI 427 is adapted to the North Central, East Central and Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. PGI 427 has been tested in Wisconsin, Iowa, Minnesota, and Kansas.

3. PGI 427 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple, with a trace of variegated.

4. PGI 427 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Aphanomyces root rot (race 1), Phytophthora root rot, and pea aphid, with resistance to stem nematode. Reaction to the blue alfalfa aphid, root knot nematode (Meloidogyne hapla), and spotted alfalfa aphid has not been tested.

5. Seed increase of PGI 427 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2003. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of PGI 427 will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name: PGI 427

Date submitted: November 30, 2006

Experimental designations: CW 34024

CW 34029

1. CW 34029 is a synthetic variety with 225 parent plants that were selected sequentially for multifoliolate leaf expression and for resistance to Phytophthora root rot, Aphanomyces root rot, and anthracnose. Parent plants were selected from crosses between selections of various populations from a four-year old Wisconsin yield trial. Yield trial source varieties were derived from various populations that were developed by phenotypic recurrent selection for fast growth rate, winter hardiness, high forage yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of CW 34029 traces to the following germplasm sources: CW 83021 (32%), CW 84028 (37%), and GH 717 (31%). Breeder seed was produced under cage isolation near Woodland, California in 2003. Seed was bulk harvested from all parent plants.

2. CW 34029 is adapted to the North Central, East Central and Great Plains areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. CW 34029 has been tested in Wisconsin, Minnesota, Iowa, Pennsylvania, and Kansas

3. CW 34029 is a moderately dormant variety with fall dormancy similar to FD class 4 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple.

4. CW 34029 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and Aphanomyces root rot (race 1), with resistance to pea aphid. Reaction to the blue alfalfa aphid, spotted alfalfa aphid, root knot nematode (Meloidogyne hapla), and stem nematode, has not been tested.

5. Seed increase of CW 34029 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2003. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of CW 34029 will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name:

Date submitted: November 30, 2006

Experimental designations: CW 34029

Charger

1. Charger is a synthetic variety with 38 parent plants. Parent plants were selected from various populations from three-year old Wisconsin nurseries. Nursery source plants were derived from various populations that were developed by phenotypic recurrent selection for fast growth rate, standability, multifoliolate leaf expression, winter hardiness, high forage dry matter yield, high relative feed value (using Near Infrared Reflectance Spectroscopy), high milk per acre using Milk2000, and high rumen undegradable protein using (using Near Infrared Reflectance Spectroscopy), and for resistance to one or more of the following pests: bacterial wilt, Fusarium Wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, anthracnose (race 1), and Leptosphaerulina leafspot. Parentage of Charger traces to the following germplasm sources: 75046 (26%), 75047 (10%), CW 500 (59%), 95027 (5%). Breeder seed was produced under cage isolation near Woodland, California in 2003. Seed was bulk harvested from all parent plants.

2. Charger is adapted to the North Central and East Central areas of the U.S. and is intended for use in the North Central, East Central, Great Plains, Moderately Winterhardy Intermountain, and Winterhardy Intermountain areas of the U.S.. Charger has been tested in Wisconsin, Iowa, and Minnesota.

3. Charger is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is approximately 98% purple, and 2% white, with a trace of cream.

4. Charger has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and Aphanomyces root rot (race 1), and moderate resistance to pea aphid. Reaction to the blue alfalfa aphid, spotted alfalfa aphid, root knot nematode (*Meloidogyne hapla*), and stem nematode, has not been tested.

5. Seed increase of Charger is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2003. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.

6. Certified seed of Charger will be available in 2007.

7. No decision has been made regarding Plant Variety Protection.

8. This information can be forwarded to the PVP office.

9. Variety Name: Charger

Date submitted: December 1, 2006

Experimental designations: CW 35006

Spyder

1. Spyder is adapted to the North Central U.S. and Western Canada and is intended for use in Western Canada. Spyder has been tested in Wisconsin and British Columbia, Canada.
2. Spyder is a dormant variety with fall dormancy similar to FD class 2 check varieties. Flower color observed in the Syn.2 generation is approximately 89% purple, 7% variegated, 3% yellow and 1% cream with a trace of white.
3. Spyder has high resistance to bacterial wilt and Fusarium wilt, resistance to anthracnose (race 1), Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and pea aphid, and moderate resistance to spotted alfalfa aphid. Reaction to blue alfalfa aphid, stem nematode, and root knot nematode has not been tested.
4. Seed increase of Spyder is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 1995. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of Spyder will be available in 2005.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: Spyder

Experimental Designation: CW 52044

Date NA&MLVRB first accepted this variety: January 2005

Date previous amendments were accepted:

Date this amendment submitted: November 30, 2006

CW 75046

Amendment - Description

1. CW 75046 is adapted to and intended for use in the North Central, East Central, and Great Plains areas of the U.S. CW 75046 has been tested in Wisconsin, Pennsylvania, and Nebraska.
2. CW 75046 is a moderately dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple with a trace of variegated, white, cream, and yellow. CW 75046 has moderate resistance to lodging with standability rating similar to class 5 check variety.
3. CW 75046 has high resistance to bacterial wilt and spotted alfalfa aphid, with resistance to anthracnose (race 1), Fusarium wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), stem nematode, pea aphid and northern root knot nematode (Meloidogyne hapla). Reaction to blue alfalfa aphid has not been adequately tested.
4. Seed increase of CW 75046 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 1997. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of CW 75046 will be available in 2003.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name:

Experimental Designation: CW 75046

Date NA&MLVRB first accepted this variety: January 2003.

Date previous amendments were accepted:

Date this amendment submitted: November 30, 2006.

CW 76098

1. CW 76098 is a synthetic variety with 118 parent plants that were selected for Phytophthora root rot, anthracnose, and stem nematode from crosses between selections from 3 year old California selection nurseries. Nursery plants were selected for resistance to root knot nematode and stem nematode from various populations which were developed by a combination of phenotypic recurrent selection and strain crossing with selection for resistance to one or more of the following pests: Fusarium wilt, Verticillium wilt, Phytophthora root rot, anthracnose (race 1), spotted alfalfa aphid, blue alfalfa aphid, and stem nematode. Parentage of CW 76098 traces to DK 166 (24%), Mission TNT (8%), Prince (6%), Express, Mede, Archer, and GT-58 (4% each), SPS 6550 and OK-49 (3% each), Sutter (2%) and miscellaneous Cal/West Seeds breeding populations (38%). Breeder seed was produced under cage isolation near Woodland, California in 1997.
2. CW 76098 is adapted to the Moderately Winterhardy Intermountain and Southwest areas of the U.S. and Argentina and is intended for use in the Moderately Winterhardy Intermountain and Southwest areas of the U.S. and Argentina. CW 76098 has been tested in California and Argentina.
3. CW 76098 is a moderately dormant variety with fall dormancy similar to FD class 6 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple with a trace of variegated, white, cream, and yellow.
4. CW 76098 has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, pea aphid, spotted alfalfa aphid, blue alfalfa aphid, stem nematode, and northern root knot nematode with resistance to anthracnose (race 1), and southern root knot nematode. Reaction to Verticillium wilt and Aphanomyces root rot (race 1) has not been tested.
5. Seed increase of CW 76098 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 1997. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 76098 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted December 1, 2006

Experimental designations: CW 76098

CW 500

Amendment - Description

1. CW 500 is adapted to and intended for use in the North Central, East Central, and Great Plains areas of the U.S. CW 500 has been tested in Wisconsin, Minnesota, Iowa, Pennsylvania, and Nebraska.
2. CW 500 is a dormant variety with fall dormancy similar to FD class 5 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple, with a trace of variegated, cream, white, and yellow. CW 500 has resistance to lodging with standability rating to similar class 7 check variety.
3. CW 500 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Phytophthora root rot, Aphanomyces root rot (race 1), and stem nematode with resistance to Verticillium wilt, pea aphid, spotted alfalfa aphid, and northern root knot nematode (Meloidogyne hapla). Reaction to blue alfalfa aphid has not been adequately tested..
4. Seed increase of CW 500 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 1999. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of CW 500 will be available in 2003.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: CW 500

Experimental Designation: CW 95026

Date NA&MLVRB first accepted this variety: January 2003

Date previous amendments were accepted: January 2004

Date this amendment submitted: November 30, 2006

CW 96108

1. CW 96108 is a synthetic variety with 210 parent plants which were selected for aphid resistance, drought tolerance, frost tolerance, persistence and agronomic characteristics from space planted nurseries and yield trials in Argentina. Parent plants were selected from various populations which were developed by a combination of phenotypic recurrent selection and strain crossing with selection for resistance to one or more of the following pests: Fusarium wilt, Verticillium wilt, Phytophthora root rot, anthracnose (race 1), spotted alfalfa aphid, blue alfalfa aphid, and stem nematode. Parentage of CW 96108 traces to 5681 (12%), DK 166 (10%), Atene (8%), Archer (5%), Alfa 50 (5%), Aspire (4%), 555 (4%), Mede (3%), Tahoe (3%), WL 320 (3%), Prince (2%), and miscellaneous Cal/West Seeds breeding populations (41%). Breeder seed (Syn.1) was produced under cage isolation near Mendoza, Argentina in 1999.
2. CW 96108 is adapted to the Moderately Winterhardy Intermountain and Southwest areas of the U.S. and Argentina and is intended for use in the Moderately Winterhardy Intermountain and Southwest areas of the U.S. and Argentina. CW 96108 has been tested in California and Argentina.
3. CW 96108 is a moderately dormant variety with fall dormancy similar to FD class 6 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple and 1% variegated with a trace of white, cream, and yellow.
4. CW 96108 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium wilt, Phytophthora root rot, pea aphid, southern root knot nematode, and northern root knot nematode with resistance to spotted alfalfa aphid, blue alfalfa aphid, and stem nematode. Reaction to Verticillium wilt and Aphanomyces root rot (race 1) has not been tested.
5. Seed increase of CW 96108 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Mendoza, Argentina in 1999. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 96108 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: December 1, 2006

Experimental designations: CW 96108

CW 98117

1. CW 98117 is a synthetic variety with 44 parent plants which were selected for seed yield. Parent plants were selected from various populations developed by selection for multiple aphid resistance, drought tolerance, frost tolerance, persistence and agronomic characteristics from space planted nurseries and yield trials in Argentina. Original source populations were developed by a combination of phenotypic recurrent selection and strain crossing with selection for resistance to one or more of the following pests: Fusarium wilt, Verticillium wilt, Phytophthora root rot, anthracnose (race 1), spotted alfalfa aphid, blue alfalfa aphid, and stem nematode. Parentage of CW 98117 traces to DK 189 (52%), WestStar (16%), Monarca (5%), Alfa 200 (5%), Mission TNT (4%), Doblone (4%), and miscellaneous Cal/West Seeds breeding populations (14%). Breeder seed (Syn.1) was produced under open isolation near Merced, California in 1999.
2. CW 98117 is adapted to and is intended for use in the Southwest area of the U.S., Mexico, and Argentina. CW 98117 has been tested in California, Mexico, and Argentina.
3. CW 98117 is a nondormant variety with fall dormancy similar to FD class 8 check varieties. Flower color observed in the Syn.2 generation is approximately 99% purple and 1% white with a trace of variegated, cream, and yellow.
4. CW 98117 has high resistance to Fusarium wilt, Phytophthora root rot, spotted alfalfa aphid, southern root knot nematode, and northern root knot nematode with resistance to anthracnose (race 1), pea aphid, blue alfalfa aphid, and stem nematode. Reaction to bacterial wilt, Verticillium wilt and Aphanomyces root rot (race 1) has not been tested.
5. Seed increase of CW 98117 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under open isolation near Merced, California in 1999. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of CW 98117 will be available in 2007.
7. No decision has been made regarding Plant Variety Protection.
8. This information can be forwarded to the PVP office.
9. Variety Name: _____ Date submitted December 1, 2006
Experimental designations: CW 98117

A-1086

Amendment – Name Change

1. A-1086 is adapted to and intended for use in the Southwest area of the U.S., Mexico, and Argentina. CW 99052 has been tested in California, Mexico, and Argentina.
2. A-1086 is a very nondormant variety with fall dormancy similar to FD class 10 check varieties. Flower color observed in the Syn.2 generation is approximately 100% purple with a trace of variegated, white, cream, and yellow.
3. A-1086 has high resistance to Fusarium wilt, Phytophthora root rot, stem nematode, and spotted alfalfa aphid, with resistance to anthracnose (race 1), Verticillium wilt, and blue alfalfa aphid, and moderate resistance to bacterial wilt. Reaction to Aphanomyces root rot (race 1), pea aphid, and northern root knot nematode (Meloidogyne hapla) has not been adequately tested.
4. Seed increase of A-1086 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 1999. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
5. Certified seed of A-1086 will be available in 2003.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: A-1086

Experimental Designation: CW 99052

Date NA&MLVRB first accepted this variety: January 2003

Date previous amendments were accepted:

Date this amendment submitted: November 30, 2006

Cimarron VL500

1. The selection criteria used in the development of this variety include increased resistance to three aphid species and anthracnose disease, and increased forage yield.
2. This variety was tested in the East Central and Great Plains regions of the United States. The area of intended use is the East Central, Southeast, Moderately Winterhardy Intermountain, and Great Plains regions.
3. This variety is moderately fall dormant, similar to FD5 check. Flower color (Syn 1) is 76% purple and 24% variegated.
4. This variety has high resistance to Anthracnose (race 1), Phytophthora Root Rot, the Pea Aphid, and the Spotted Alfalfa Aphid; with resistance to Bacterial Wilt, Verticillium Wilt, Fusarium Wilt, the Blue Alfalfa Aphid, and the Stem Nematode; with moderate resistance to Aphanomyces (race 1).
5. Seed increase is on a limited generation basis: Breeder (Syn 1), Foundation (Syn 2), Certified (Syn 3). Breeder and Foundation seed will be maintained by Cimarron USA. Sufficient Breeder and Foundation seed are available for the foreseeable need. Breeder seed (Syn 1 generation) was harvested in mass from a replicated crossing block in isolation from other alfalfa in the year 2001.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. Information in this application may be forwarded to PVP office.
9. Variety Name: Cimarron VL500

 Experimental Designations: MP04, WPAR02

Date Submitted: November 30, 2006

Cimarron VL600

1. The selection criteria used in the development of this variety include increased resistance to three aphid species, increased forage yield, and less fall dormancy.
2. This variety was tested in the East Central and Great Plains regions of the United States. The area of intended use is the East Central, Southeast, and Great Plains regions.
3. This variety is moderately fall dormant, similar to FD6 check. Flower color (Syn 1) is 95% purple and 5% variegated.
4. This variety has high resistance to Phytophthora Root Rot, the Pea Aphid, and the Spotted Alfalfa Aphid; with resistance to Anthracnose (race 1), Bacterial Wilt, Fusarium Wilt, the Blue Alfalfa Aphid, and the Stem Nematode; with moderate resistance to Verticillium Wilt and Aphanomyces Root Rot (race 1).
5. Seed increase is on a limited generation basis: Breeder (Syn 1), Foundation (Syn 2), Certified (Syn 3). Breeder and Foundation seed will be maintained by Cimarron USA. Sufficient Breeder and Foundation seed are available for the foreseeable need. Breeder seed (Syn 1 generation) was harvested in mass from a replicated crossing block in isolation from other alfalfa in the year 2002.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. Information in this application may be forwarded to PVP office.
9. Variety Name: Cimarron VL600
 Experimental Designations: Tif 04, Tif 02
Date Submitted: November 30, 2006

ReGen Amendment – Name Change

1. 'ReGen' is the result of a three-way population cross. The initial cross was between two plant populations: Seedway 9558 and a population comprised of germplasm related to Iroquois, Saranac AR, Oneida VR, and Vertus, followed by phenotypic recurrent selection for multiple disease resistance and selection in the field for plant vigor, freedom of diseases, resistance to lodging, and lower forage neutral detergent fiber and acid detergent fiber concentrations. This population cross was done by hand as full-sib crosses between 100 clones per population. This population cross was crossed with a population derived from Magnum III after selection for resistance to anthracnose (Race 1) (2 cycles), Verticillium wilt (2 cycles), and Phytophthora root rot (1 cycle). Full-sib crosses between the populations were made by hand (74 clones per population). Seed of the Syn. 1 generation was a bulk of equal weight of seed per cross. The Syn. 2 generation (breeder seed) was produced in 2001.
2. ReGen' is adapted and intended for use in the North Central and East Central USA for hay, haylage, greenchop, and dehydration. It has been tested throughout New York and in Pennsylvania.
3. 'ReGen' is a dormant variety with fall dormancy similar to the FD3 check. Its flower color is 93% purple and 7% variegated, and pod shape is 96% tightly coiled and 4% loosely coiled in the Syn. 2 generation.
4. 'ReGen' has high resistance to Fusarium wilt, Verticillium wilt, and anthracnose (Race 1); resistance to bacterial wilt and Phytophthora root rot; and low resistance to Aphanomyces root rot (Race 1). It has not been tested for resistances to pea aphid, spotted alfalfa aphid, blue alfalfa aphid, root knot nematode, and stem nematode.
5. In 2001, breeder seed (Syn. 2) was produced under cage isolation in Caldwell, ID, in sufficient quantity to last the lifetime of the variety. This seed is maintained under controlled environmental conditions by the Department of Plant Breeding and Genetics at Cornell University. Foundation seed (Syn. 3) may be produced from breeder seed in Northwest USA on stands no more than 3 years old unless by consent of the breeder. Certified seed (Syn. 3 or 4) may be produced from breeder or foundation seed on stands no more than 6 years old.
6. Pending official certification, certified seed will first be marketed in 2007.
7. Application for Plant Variety Protection will not be made.
8. This information may be forwarded to the PVP office.
9. Variety Name: ReGen

Experimental designations: NY0131

Date originally submitted: December 1, 2005

NA&MLVRB first accepted: January 2006

Amendment submitted: December 19, 2006

BPR382

1. BPR382 is a 24 clone synthetic. Parent clones were selected out of forage yield plots and/or disease nurseries. These parent plants were progeny tested for one or more of the following traits: forage yield, stand persistence, forage quality, resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt and Aphanomyces root rot (Race 1). All of parent plants trace back to Dairyland experimentals. Parent plants were planted in field isolation and inter-pollinated by honey, leaf cutting and bumble bees near Sloughhouse, California in 1997-1998 to produce Syn. 1 as Breeder Seed. Seed from parent plants were equally bulked each year to produce Breeder seed.
2. BPR382 is adapted to the North Central, Great Plains and East Central Regions of the United States and intended for use across the North Central, Great Plains and East Central Regions of the United States. The states where it has been tested are Iowa, Minnesota, Nebraska, Pennsylvania and Wisconsin.
3. BPR382 is a moderately dormant variety similar to the fall dormancy 4 check. BPR382 is very winter hardy similar to the winter survival 2 check. Flower color in the Syn. 2 generation is 90% purple, 10% variegated with trace amounts of cream, white and yellow.
4. BPR382 has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt, northern root-knot nematode, stem nematode; resistance to Aphanomyces root rot (Race1) and pea aphid. BPR382 has not been tested for resistance to blue alfalfa aphid and spotted alfalfa aphid.
5. Breeder seed (Syn. 1) was produced by bulking seed of parent plants which were grown in field isolation near Sloughhouse, CA in 1997-98. Seed from parental clones were equally bulked. Foundation seed (Syn.2) was produced from Breeder seed and Certified seed (Syn. 2 or 3) from either Breeder or Foundation seed. One generation each of Breeder, Foundation and two generations of Certified seed classes are recognized. A maximum of three harvest years each is permitted on stands producing Breeder and Foundation seed with five years for Certified seed. Dairyland Research International will maintain sufficient Breeder seed for the projected life of the variety.
6. Certified Seed will be available spring of 2008.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety name:

Experimental designations: BPR382

Date Submitted: November 29, 2006

DS304Hyb

1. DS304Hyb is a three clone 75-95% hybrid alfalfa variety. Parent clones were selected out of forage yield plots and/or disease nurseries. These parent plants were tested for male sterility, maintaining and restoration ability. The parent plants were also progeny tested for one or more of the following traits: forage yield, stand persistence, forage quality, resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt and Aphanomyces root rot (Race 1). Female seed (D-1005) was generated by crossing a cytoplasmic male sterile female line by a maintainer line in field isolation and inter-pollinated by honey, leaf cutting and bumble bees. The female plants were harvested to produce the female Breeder Seed near Sloughhouse, California in 2001-03. Female seed was kept separate each year to produce Breeder seed. Male Breeder seed (Syn. 1) (DS304M) was produced in 1997 near Sloughhouse, CA.
2. DS304Hyb is adapted to the East Central and North Central Regions of the United States and intended for use across the East Central, North Central and Great Plains Regions of the United States. The states where it has been tested are Iowa, Minnesota, New York and Wisconsin.
3. DS304Hyb is a moderately-dormant variety similar to the fall dormancy 4 check. DS304Hyb is very winter hardy similar to the winter survival 2 check. Flower color of the male line in the Syn. 2 generation is 90% purple, 10% variegated with trace amounts of yellow, cream and white. Flower color of the female line in the F1 generation is 90% purple, 10% variegated with trace amounts of yellow, cream and white.
4. DS304Hyb has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, Verticillium wilt, northern root-knot nematode, stem nematode and resistance to Aphanomyces root rot (Race1), anthracnose (Race 1) and pea aphid. DS304Hyb has not been tested for resistance to blue alfalfa aphid and spotted alfalfa aphid
5. Female Breeder seed was produced by crossing the cytoplasmic male sterile line (A) by the maintainer line (B) in field isolation near Sloughhouse, CA in 2001-03. Female seed was kept separate across production years. Male Breeder seed (Syn. 1) was produced in field isolation near Sloughhouse in 1997. Male Foundation seed (Syn. 2) was produced from Breeder seed. Hybrid seed (F1) was produced from crossing female seed by either Breeder or Foundation male seed. Two generations of male seed are recognized. A maximum of three harvest years each is permitted on stands producing Breeder and Foundation seed with five years for Certified seed. Dairyland Research International will maintain sufficient seed for the projected life of the variety.
6. Certified Seed will be available of 2007.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety name:

Experimental designations: DS304Hyb

Date Submitted November 29, 2006

Magnum VI

1. Magnum VI is a 121 clone synthetic. Parent clones were selected out of forage yield plots and/or disease nurseries. These parent plants were progeny tested for one or more of the following traits: forage yield, stand persistence, forage quality, resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt and Aphanomyces root rot (Race 1). Parent plants were planted in field isolation and inter-pollinated by honey, leaf cutting and bumble bees near Sloughhouse, California in 2001 to produce Syn. 1 as Breeder Seed. Seed from parent plants were equally bulked each year to produce Breeder seed.

2. Magnum VI is adapted to the North Central Region of the United States and intended for use across the North Central, Great Plains and East Central Regions of the United States. The states where it has been tested are Iowa, Minnesota and Wisconsin.

3. Magnum VI is a moderately dormant variety similar to the fall dormancy 4 check. Magnum VI is very winter hardy similar to the winter survival 2 check. Flower color in the Syn. 2 generation is 90% purple, 10% variegated with trace amounts of cream, white and yellow.

4. Magnum VI has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt, Aphanomyces root rot (Race1) and moderate resistance pea aphid. Magnum VI has not been tested for resistance to northern root-knot nematode, stem nematode, blue alfalfa aphid and spotted alfalfa aphid.

5. Breeder seed (Syn. 1) was produced by bulking seed of parent plants which were grown in field isolation near Sloughhouse, CA in 2001. Seed from parental clones were equally bulked. Foundation seed (Syn.2) was produced from Breeder seed and Certified seed (Syn. 2 or 3) from either Breeder or Foundation seed. One generation each of Breeder, Foundation and two generations of Certified seed classes are recognized. A maximum of three harvest years each is permitted on stands producing Breeder and Foundation seed with five years for Certified seed. Dairyland Research International will maintain sufficient Breeder seed for the projected life of the variety.

6. Certified Seed will be available spring of 2007.

7. Application for the Plant Variety Protection is undecided.

8. Information in the NAVRB application can be forwarded to the PVP office.

9. Variety name: Magnum VI

 Date Submitted: November 29, 2006

Experimental designations: DS417

DS787

1. DS787 is a 331 clone synthetic population derived from Dairyland Seed experimentals. Parent plants were selected from forage yield plots and observation nurseries for forage yield, persistence and resistance to leaf, stem, root and crown diseases across central Argentina. Breeder seed (Syn.1) was produced in isolation cages near Tunyan, Mendoza, Argentina in 2000-2001. Seed from the entire population was bulked.
2. DS787 is adapted and intended for the Southwest Region of the United States and Argentina. The state and countries where it has been tested are California and Argentina.
3. DS787 is a non-dormant variety similar to the fall dormancy 7 check. Flower color in the Syn. 2 generation is 99% purple, 1% variegated with trace amounts of cream and white.
4. DS787 has high resistance to Fusarium wilt, northern root-knot nematode, stem nematode; resistance to bacterial wilt, Phytophthora root rot, anthracnose (Race 1) and pea aphid. DS787 has not been tested for resistance to Aphanomyces root rot (Race1), Verticillium wilt, blue alfalfa aphid and spotted alfalfa aphid.
5. Breeder seed (Syn. 1) was produced within cage isolation near Tunyan, Mendoza, Argentina in 2000-2001. Seed classes will be breeder, foundation seed (Syn. 2 or 3) and certified seed (Syn. 3, 4 or 5). A second generation of foundation seed is at the discretion of Dairyland Seed. A maximum of three years each is permitted on stands producing Breeder and Foundation seed with five years for certified seed. Sufficient Breeder seed for the projected life of the variety will be maintained by Dairyland Research International
6. Certified Seed will be available spring of 2007.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety name:

Experimental designations: DS787

Date Submitted: November 29, 2006

DS789

1. DS789 is a 257 clone synthetic population derived from Dairyland Seed experimentals. Parent plants were selected from forage yield plots and observation nurseries for forage yield, persistence and resistance to leaf, stem, root and crown diseases across central Argentina. Breeder seed (Syn.1) was produced in isolation cages near Tunyan, Mendoza, Argentina in 2000-2001. Seed from the entire population was bulked.
2. DS789 is adapted and intended for the Southwest Region of the United States and Argentina. The state and countries where it has been tested are California and Argentina.
3. DS789 is a very-dormant variety similar to the fall dormancy 8 check. Flower color in the Syn. 2 generation is 99% purple, 1% variegated with trace amounts of cream and white.
4. DS789 has high resistance to Fusarium wilt, northern root-knot nematode and resistance to bacterial wilt, Phytophthora root rot, anthracnose (Race 1), stem nematode and pea aphid. DS789 has not been tested for resistance to Aphanomyces root rot (Race1), Verticillium wilt, blue alfalfa aphid and spotted alfalfa aphid.
5. Breeder seed (Syn. 1) was produced within cage isolation near Tunyan, Mendoza, Argentina in 2000-2001. Seed classes will be breeder, foundation seed (Syn. 2 or 3) and certified seed (Syn. 3,4 or 5). A second generation of foundation seed is at the discretion of Dairyland Seed. A maximum of three years each is permitted on stands producing Breeder and Foundation seed with five years for certified seed. Sufficient Breeder seed for the projected life of the variety will be maintained by Dairyland Research International.
6. Certified Seed will be available spring of 2007.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety name:

Experimental designations: DS789

Date Submitted: November 29, 2006

HybriForce-800

Amendment – Name Change, Description Change

1. HybriForce-800 is a three clone 75-95% hybrid alfalfa variety. Parent clones were selected out of forage yield plots and/or disease nurseries. These parent plants were tested for male sterility, maintaining and restoration ability. The parent plants were selected for one or more of the following traits: forage yield, stand persistence, forage quality, resistance to: Phytophthora root rot, anthracnose (Race 1) and Verticillium wilt.
2. HybriForce-800 is adapted to the Southwest Region of the United States and intended for use across the Southwest Region of the United States. The state where it has been tested is California.
3. HybriForce-800 is a non-dormant variety similar to the fall dormancy 8 check. Flower color of the male line in the Syn. 2 generation is 100% purple, with trace amounts of variegated, cream and white. Flower color of the female line in the F1 generation is 100% purple, with trace amounts of variegated, cream and white.
4. HybriForce-800 has high resistance to Fusarium wilt, anthracnose (Race 1), stem nematode, northern root-knot nematode (*M. hapla*); resistance to Phytophthora root rot and southern root knot nematode (*M. incognita*) and moderate resistance to bacterial wilt and pea aphid. DS288 has not been tested for resistance to blue alfalfa aphid, spotted alfalfa aphid, *Aphanomyces* root rot (Race1) and Verticillium wilt.
5. Female Breeder seed was produced by crossing the cytoplasmic male sterile line (A) by the maintainer line (B) in field isolation near Sloughhouse, CA in 2000-2002. Female seed was kept separate across production years. Male Breeder seed (Syn. 1) was produced in field isolation near Sloughhouse in 2000. Male Foundation seed (Syn. 2) was produced from Breeder seed. Hybrid seed (F1) was produced from crossing female seed by either Breeder or Foundation male seed. Two generations of male seed are recognized. A maximum of three harvest years each is permitted on stands producing Breeder and Foundation seed with five years for Certified seed. Dairyland Research International will maintain sufficient seed for the projected life of the variety.
6. Certified Seed will be available fall of 2006.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety Name: HybriForce-800

Experimental Designation: DS288

Date NA&MLVRB first accepted this variety: November 23, 2005

Date previous amendments were accepted:

Date amendment submitted: November 29, 2006

Magna 995 Amendment - Description

1. Magna 995 is a 24 clone synthetic variety. Parent plants were selected for plant vigor and root health from forage yield plots from the University of California Research Centers in West Side, Kearney and Imperial Valley.
2. Magna 995 is adapted and intended for use across the Southwest Region of the United States. The state where it has been tested is California.
3. Magna 995 is a non dormant variety similar to the fall dormancy 8 check. Flower color of the male line in the Syn. 2 generation is 99% purple, 1% variegated with trace amounts of cream and white.
4. Magna 995 has high resistance to Fusarium wilt, Phytophthora root rot, stem nematode, northern root-knot nematode (*M. hapla*); resistance to pea aphid, southern root-knot nematode (*M. incognita*); moderate resistance to anthracnose (Race 1) and low resistance to bacterial wilt. Magna 995 has not been tested for resistance to blue alfalfa aphid, spotted alfalfa aphid, *Aphanomyces* root rot (Race1) and *Verticillium* wilt.
5. Breeder seed (Syn. 1) was produced within field isolation near Sloughhouse, CA in the year 2000. Seed classes will be breeder, foundation seed (Syn. 2 or 3) and certified seed (Syn. 3,4 or 5). A second generation of foundation seed is at the discretion of Dairyland Seed. A maximum of three years each is permitted on stands producing Breeder and Foundation seed with five years for certified seed. Sufficient Breeder seed for the projected life of the variety will be maintained by Dairyland Research International.
6. Certified Seed will be available fall of 2005.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety Name: Magna 995

Experimental Designation: DS995

Date NA&MLVRB first accepted this variety: November 23, 2005

Date previous amendments were accepted:

Date amendment submitted: November 29, 2006

Mariner III Amendment - Description

1. Mariner III is an 84 clone synthetic. One half of the plants were selected for branch root expression and resistance to a disease complex of Phytophthora root rot and Aphanomyces root rot (Race 1 and 2) in disease nursery near Appleton, WI. These plants were progeny tested for high levels of resistance to Aphanomyces root rot (Race 2). The selected plants make up this half of DS416. The other half of the plants was selected for resistance to Aphanomyces root rot (Race 2) and agronomic traits such as seed yield and herbage yield.
2. Mariner III is adapted to the North Central and East Central Regions of the United States and intended for use across the North Central and East Central Regions of the United States. The states where it has been tested are Iowa, Minnesota, Pennsylvania and Wisconsin.
3. Mariner III is a dormant variety similar to the fall dormancy 4 check. Mariner III is very winter hardy similar to the winter survival 2 check. Flower color in the Syn. 2 generation is 90% purple, 10% variegated with trace amounts of cream, white and yellow.
4. Mariner III has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Aphanomyces root rot (Race1), Verticillium wilt, northern root-knot nematode (*M. hapla*); resistance to Aphanomyces root rot (Race2), pea aphid and stem nematode. Mariner III has not been tested for resistance to blue alfalfa aphid and spotted alfalfa aphid.
5. Breeder seed (Syn. 1) was produced from bulking seed of two populations of greenhouse pollinated parent plants near Clinton, WI in 2001. Foundation seed (Syn.2) was produced from Breeder seed and Certified seed (Syn.3) from Foundation seed. One generation each of Breeder, Foundation and Certified seed classes are recognized. A maximum of three years each is permitted on stands producing Breeder and Foundation seed with five years for certified seed. Sufficient Breeder seed for the projected life of the variety will be maintained by Dairyland Research International.
6. Certified Seed will be available spring of 2007.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety Name: Mariner III

Experimental Designation: DS416

Date NA&MLVRB first accepted this variety: November 23, 2005

Date previous amendments were accepted:

Date amendment submitted: November 29, 2006

PerForm

1. PerForm is a 20 clone synthetic. Parent clones were selected out of disease nurseries. These parent plants were progeny tested for one or more of the following traits: forage yield, stand persistence, multileaf expression, forage quality, resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt and Aphanomyces root rot (Race 1). Selected plants were inter-pollinated near Sloughhouse, CA in field isolation in 2002 and equally bulked to produce Syn. 1 as Breeder seed. Breeder seed is maintained for the life of the variety by Dairyland Research International.
2. PerForm is adapted to the North Central and East Central Regions of the United States and intended for use across the North Central, Great Plains and East Central Regions of the United States. The states where it has been tested are Illinois, Minnesota, Pennsylvania, New York and Wisconsin.
3. PerForm is a moderately dormant variety similar to the fall dormancy 4 check. PerForm is very winter hardy similar to the winter survival 2 check. Flower color in the Syn. 2 generation is 90% purple, 10% variegated with trace amounts of cream, white and yellow.
4. PerForm has high resistance to bacterial wilt, Fusarium wilt, Phytophthora root rot, anthracnose (Race 1), Verticillium wilt, Aphanomyces root rot (Race1) and resistant to pea aphid. PerForm has not been tested for resistance to northern root-knot nematode, stem nematode, blue alfalfa aphid and spotted alfalfa aphid.
5. Breeder seed (Syn. 1) was produced by bulking seed of parent plants which were grown in field isolation near Sloughhouse, CA in 2002. Seed from parental clones were equally bulked. Foundation seed (Syn.2) was produced from Breeder seed and Certified seed (Syn. 2or3) from either Breeder or Foundation seed. One generation each of Breeder, Foundation and two generations of Certified seed classes are recognized. A maximum of three harvest years each is permitted on stands producing Breeder and Foundation seed with five years for Certified seed. Dairyland Research International will maintain sufficient Breeder seed for the projected life of the variety.
6. Certified Seed will be available spring of 2007.
7. Application for the Plant Variety Protection is undecided.
8. Information in the NAVRB application can be forwarded to the PVP office.
9. Variety name: PerForm

Experimental designations: BPR387

Date Submitted: November 29, 2006

FSG 505

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose, Phytophthora root rot, and Aphanomyces root rot (Race 1).
2. This variety is adapted to North Central, East Central and Great Plains regions. This variety has been tested in Wisconsin, Nebraska and Indiana and is intended for use in the North Central, East Central and Great Plains regions.
3. Test variety is Moderately Fall Dormant, similar to FD4 checks. Test variety is Very Winterhardy, similar to WS2 checks. Flower color (Syn2) is 98% purple, 2% variegated with a trace of yellow, white and cream.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot and Aphanomyces root rot (Race 1); with resistance to spotted alfalfa aphid, root-knot nematode (M. hapla) and pea aphid. Reaction to blue alfalfa aphid and stem nematode has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 1998. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2003.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: FSG 505

Experimental Designation(s): FG 4M74

Date NA&MLVRB first accepted this variety: January 2003

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

GH773LH

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, Aphanomyces root rot (Race 1 and or Race 2) and potato leafhopper.
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Indiana, Pennsylvania, Ohio and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 34% purple, 47% variegated, 9% white, 3% cream and 7% yellow.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1), pea aphid and potato leafhopper; resistance to stem nematode; with moderate resistance to root-knot nematode (*M. hapla*). Reaction to blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 2002. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: GH773LH

Experimental Designation(s): FG 42H170, Previously accepted as FG 42H190

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: March 2006

Date amendment submitted: November 21, 2006

Garst 6426

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, Aphanomyces root rot (Race 1 and or Race 2) and potato leafhopper.
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Indiana, Wisconsin and Illinois, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 50% purple, 23% variegated, 15% white, 5% cream and 7% yellow.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1), stem nematode, pea aphid and potato leafhopper. Reaction to blue alfalfa aphid, spotted alfalfa aphid and root-knot nematode (*M. hapla*) has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office
9. Variety Name: Garst 6426 Date submitted: November 21, 2006
Experimental designations: FG 43H173

4P424

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, Aphanomyces root rot (Race 1 and or Race 2) and potato leafhopper.
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Indiana, Wisconsin and Illinois, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 52% purple, 18% variegated, 16% white, 6% cream and 8% yellow.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and potato leafhopper; with resistance to pea aphid and stem nematode. Reaction to blue alfalfa aphid, spotted alfalfa aphid and root-knot nematode (M. hapla) has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: 4P424 Date submitted: November 21, 2006
Experimental designations: FG 43H178

FG 54A154

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana and Iowa and is intended for use in the North Central and East Central regions.
3. Test variety is moderately Fall Dormant, similar to FD5 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 90% purple, 9% variegated, and 1% cream with a trace of white and yellow. This variety has high multifoliolate leaf expression.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and Aphanomyces root rot (Race 2); with resistance to stem nematode. Reaction to blue alfalfa aphid, spotted alfalfa aphid, pea aphid and root-knot nematode (*M. hapla*) has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced and in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 21, 2006
Experimental designations: FG 54A154

FG 54A155

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana and Iowa and is intended for use in the North Central and East Central regions.
3. Test variety is moderately Fall Dormant, similar to FD5 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 95% purple, 4% variegated and 1% yellow with a trace of white and cream. This variety has high multifoliolate leaf expression.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and Aphanomyces root rot (Race 2); with resistance to stem nematode. Reaction to blue alfalfa aphid, spotted alfalfa aphid, pea aphid and root-knot nematode (*M. hapla*) has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: _____ Date submitted: November 21, 2006
Experimental designations: FG 54A155

FG 60M1053

1. The selection criteria used in the development of this involved selection of plants for winter active growth and high forage yield and persistence from older trials.
2. This variety is adapted to the Southwest and the Moderately Winterhardy Intermountain regions. This variety has been tested in California and Idaho. It will be used in the Southwest and Moderately Winterhardy Intermountain regions.
3. Test variety has fall dormancy similar to FD7 checks. Flower color (Syn1) is 94% purple, 6% variegated with a trace of cream, yellow and white. This variety has high multifoliolate leaf expression.
4. This variety has high resistance to Anthracnose (Race 1), bacterial wilt, Fusarium wilt, Phytophthora root rot, pea aphid, spotted alfalfa aphid, root knot nematode (*M. hapla*) and stem nematode. Reaction to blue alfalfa aphid, *Aphanomyces* root rot and *Verticillium* wilt has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2000. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 60M1053

FG 71M405

1. The selection criteria used in the development of this involved selection of plants for winter active growth and high forage yield and persistence from older trials.
2. This variety is adapted to the Southwest and Moderately Winterhardy Intermountain regions. This variety has been tested in California. It will be used in the Southwest and Moderately Winterhardy Intermountain regions.
3. Test variety has fall dormancy similar to FD7 checks. Flower color (Syn1) is 94% purple, 3% cream, 2% yellow, 1% variegated with a trace white. This variety has high multifoliolate leaf expression.
4. This variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, spotted alfalfa aphid, root knot nematode (*M. hapla*) and stem nematode; with resistance to Fusarium wilt. Reaction to pea aphid, blue alfalfa aphid, *Aphanomyces* root rot and *Verticillium* wilt has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2001. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 71M405

Arriba II

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield, multifoliolate expression and persistence in older trials and/or nurseries.
2. This variety is adapted to the Southwest. This variety has been tested in California. It is intended for use in the Southwest.
3. Test variety has fall dormancy similar to FD6 checks. Flower color (Syn1) is 98% purple, 2% variegated, with a trace of yellow, white and cream. This variety has high multifoliolate leaf expression.
4. This variety has high resistance to Anthracnose (race 1), bacterial wilt, Fusarium wilt, Phytophthora root rot, pea aphid, spotted alfalfa aphid, root knot nematode (*M. hapla*) and stem nematode. Reaction to blue alfalfa aphid, *Aphanomyces* root rot and *Verticillium* wilt has not been tested
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Arriba II

Submitted: November 21, 2006

Experimental designations: FG 73M041

FG 73T043

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield and persistence in older trials and/or nurseries.
2. This variety is adapted to the Southwest and Moderately Winterhardy Intermountain regions. This variety has been tested in California. It will be used in the Southwest and Moderately Winterhardy Intermountain regions.
3. Test variety has fall dormancy similar to FD7 checks. Flower color (Syn1) is 98% purple, 2% variegated, with a trace of white, cream and yellow.
4. This variety has high resistance to Fusarium wilt, pea aphid and stem nematode; resistance to Phytophthora root rot and root knot nematode (M. hapla); with moderate resistance to anthracnose (Race 1). Reaction to bacterial wilt, Verticillium wilt, blue alfalfa aphid and Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 73T043

SP 806

Amendment – Name Change

1. SP 806 is a synthetic variety with 100 parent plants. Parent plants were selected for winter active growth and high forage yield and persistence from older trials and/or nurseries. Recurrent phenotypic selection was used to develop source populations and identify parent plants. . Germplasm sources used in developing this cultivar were WL525HQ (40%), UN900 (40%), Yolo (20%). Breeder seed (Syn 1) was produced near Nampa, Idaho in 2001. Seed was harvested in total on all parents and bulked to form breeder seed
2. This variety is adapted to California and the low desert areas of the west. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD9 checks. Flower color (Syn2) is 100% purple
4. This variety has high resistance to Fusarium wilt, Phytophthora root rot, pea aphid, spotted alfalfa aphid, blue alfalfa aphid and stem nematode; resistance to anthracnose, bacterial wilt and root knot nematode (N); and low resistance to Aphanomyces root rot (race 1). Reaction to Verticillium wilt has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2001. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: SP 806

Experimental Designation(s): FG 81T013, FG 91T013

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

Integra 8800

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield, multifoliolate expression and persistence in older trials and/or nurseries.
2. This variety is adapted to the Southwest. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. This variety has moderate multifoliolate leaf expression.
4. This variety has high resistance to Fusarium wilt, Phytophthora root rot, pea aphid and stem nematode; resistance to anthracnose (Race 1), spotted alfalfa aphid and root knot nematode (*M. hapla*). Reaction to bacterial wilt, Verticilium wilt, blue alfalfa aphid and *Aphanomyces* root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Integra 8800 Submitted: November 21, 2006

Experimental designations: FG 83M045

FG 83M046

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield, multifoliolate expression and persistence in older trials and/or nurseries.
2. This variety is adapted to the Southwest. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. This variety has moderate multifoliolate leaf expression.
4. This variety has high resistance to Fusarium wilt and Phytophthora root rot; with resistance to anthracnose (Race 1), pea aphid, root knot nematode (*M. hapla*) and stem nematode. Reaction to bacterial wilt, Verticilium wilt, spotted alfalfa aphid, blue alfalfa aphid and Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 83M046

FG 93T055

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield and persistence in older trials and/or nurseries.
2. This variety is adapted to the Southwest. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD9 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated.
4. This variety has high resistance to Fusarium wilt, Phytophthora root rot and pea aphid; with resistance to anthracnose (Race 1), root knot nematode (*M. hapla*) and stem nematode. Reaction to bacterial wilt, Verticillium wilt, spotted alfalfa aphid, blue alfalfa aphid and Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 93T055

FG 103T058

1. The selection criteria used in the development of this variety includes winter active growth, high forage yield, and persistence in older trials and/or nurseries.
2. This variety is adapted to California and the low desert areas of the West. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD 10 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated.
4. This variety has high resistance to spotted alfalfa aphid; resistance to Fusarium wilt, Phytophthora root rot, pea aphid, root knot nematode (*M. hapla*) and stem nematode; with moderate resistance to anthracnose (Race 1). Reaction to bacterial wilt, Verticilium wilt, blue alfalfa aphid and Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 3 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Submitted: November 21, 2006

Experimental designations: FG 103T058

Graze N Hay 3.10RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, grazing tolerance, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.

3. Test variety is Dormant, similar to FD3 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 100% purple with a trace of variegated, cream, yellow and white. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to spotted alfalfa aphid. Reaction to blue alfalfa aphid, root-knot nematode (*M. hapla*), stem nematode and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the greenhouse in 2003 and in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Graze N Hay 3.10RR Date submitted: November 21, 2006

Experimental designations: FG R34BD02

Maxi-Pro 3.10RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.

3. Test variety is Dormant, similar to FD3 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 98% purple and 2% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to stem nematode, spotted alfalfa aphid and root-knot nematode (M. hapla). Reaction to blue alfalfa aphid and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the greenhouse in 2003 and in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Maxi-Pro 3.10RR Date submitted: November 21, 2006

Experimental designations: FG R34BD04

Integra 8401RR Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 85% purple, 13% variegated and 2% cream with a trace of yellow and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to root-knot nematode (*M. hapla*), stem nematode and pea aphid. Reaction to blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
- 9: Variety Name: Integra 8401RR

Experimental Designation(s): FG R43M627

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

ClearGold RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.

3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 93% purple, 2% variegated, 1% yellow and 4% white with a trace of cream. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to stem nematode and pea aphid. Reaction to blue alfalfa aphid, root-knot nematode (M. hapla) and spotted alfalfa aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: ClearGold RR Date submitted: November 21, 2006

Experimental designations: FG R43M630

54R01

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 89% purple, 6% variegated, 3% cream and 2% yellow with a trace of white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to root-knot nematode (*M. hapla*), pea aphid, stem nematode and spotted alfalfa aphid. Reaction to blue alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety).
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: 54R01

Experimental Designation(s): FG R43M705

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

PGI 447RR

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central, East Central and Winterhardy Intermountain regions. This variety has been tested in Wisconsin, Idaho, Pennsylvania and Washington, and is intended for use in the North Central, East Central and Winterhardy Intermountain regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 90% purple, 9% variegated and 1% yellow with a trace of cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and pea aphid; with resistance to stem nematode and root-knot nematode (M. hapla). Reaction to blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2003. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety).
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: PGI 447RR

Experimental Designation(s): FG R43M712

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

RR405

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.

3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 84% purple, 7% variegated, 4% cream, 1% yellow and 4% white. This variety has high multifoliolate leaf expression. Test variety is "Roundup Ready®" expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); resistance to stem nematode and root-knot nematode (M. hapla); with moderate resistance to spotted alfalfa aphid. Reaction to blue alfalfa aphid and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: RR405 Date submitted: November 21, 2006

Experimental designations: FG R44BD07

9100RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 98% purple, 2% variegated with a trace of yellow, cream and white. This variety has moderate multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); resistance to root-knot nematode (*M. hapla*); with moderate resistance to stem nematode and spotted alfalfa aphid. Reaction to blue alfalfa aphid and pea aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: 9100RR Date submitted: November 21, 2006
Experimental designations: FG R44BD08

AmeriStand 405T RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 96% purple, 4% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and root-knot nematode (M. hapla); with resistance to stem nematode. Reaction to blue alfalfa aphid, spotted alfalfa aphid and pea aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: AmeriStand 405T RR Date submitted: November 21, 2006
Experimental designations: FG R44BD12

Mountaineer 4.10RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Moderately Winterhardy Intermountain and Winterhardy Intermountain regions. This variety has been tested in Idaho, Washington and Colorado, and is intended for use in the Moderately Winterhardy Intermountain and Winterhardy Intermountain regions.

3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 98% purple and 2% variegated with a trace of yellow, cream and white. This variety has moderate multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and stem nematode; with resistance to root-knot nematode (M. hapla). Reaction to blue alfalfa aphid, spotted alfalfa aphid and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Mountaineer 4.10RR Date submitted: November 21, 2006

Experimental designations: FG R44BD15, RR04BD-484

DKA43-22RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Moderately Winterhardy Intermountain and Winterhardy Intermountain regions. This variety has been tested in Idaho, Washington and Colorado, and is intended for use in the Moderately Winterhardy Intermountain and Winterhardy Intermountain regions.

3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 92% purple, 4% variegated, 3% white and 1% cream with a trace of yellow. This variety has high multifoliolate leaf expression. Test variety is "Roundup Ready®" expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and stem nematode; with resistance to root-knot nematode (M. hapla). Reaction to blue alfalfa aphid, spotted alfalfa aphid and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the greenhouse in 2003 and in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: DKA43-22RR Date submitted: November 21, 2006

Experimental designations: FG R44BD16, RR04BD-417

RRALF 4R200

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 98% purple, 2% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and stem nematode; resistance to root-knot nematode (M. hapla); with moderate resistance to spotted alfalfa aphid. Reaction to blue alfalfa aphid and pea aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the greenhouse in 2003 and in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: RRALF 4R200 Date submitted: November 21, 2006
Experimental designations: FG R44BD17

FG R44BD18

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, stem nematode and Aphanomyces root rot (Race 1). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Winterhardy Intermountain and Moderately Winterhardy Intermountain regions. This variety has been tested in Washington, Colorado and Idaho, and is intended for use in the Winterhardy Intermountain and Moderately Winterhardy Intermountain regions.

3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 98% purple and 2% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and stem nematode; with resistance to root-knot nematode (M. hapla). Reaction to blue alfalfa aphid, spotted alfalfa aphid and pea aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: _____ Date submitted: November 21, 2006

Experimental designations: FG R44BD18, RR04BD-456

WL 367RR/HQ

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD5 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 99% purple, 1% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to stem nematode and root-knot nematode (M. hapla). Reaction to blue alfalfa aphid, spotted alfalfa aphid and pea aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed (Syn1) was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: WL 367RR/HQ Date submitted: November 21, 2006
Experimental designations: FG R54BD14

AmeriStand 815T RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1) and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to California and the low desert areas of the West. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD7 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene. Test variety has improved forage yield under saline stress similar to the salt tolerant check.

4. This variety has high resistance to Phytophthora root rot; resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, root knot nematode (*M. hapla*), stem nematode and spotted alfalfa aphid ; with low resistance to Aphanomyces root rot (Race 1). Reaction to Verticillium wilt, pea aphid and blue alfalfa aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: AmeriStand 815T RR

Submitted: November 21, 2006

Experimental designations: FG R74BD27, RR04BD-409

Transition 6.10RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: Fusarium wilt, Verticillium wilt, anthracnose (Race 1) and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to California and the low desert areas of the West. This variety has been tested in California and Idaho. It will be used in the Southwest and Winterhardy Intermountain regions.
3. Test variety has fall dormancy similar to FD6 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. This variety has high resistance to Phytophthora root rot and pea aphid; resistance to anthracnose (Race 1), Fusarium wilt, bacterial wilt, Verticillium wilt and root knot nematode (*M. hapla*); with moderate resistance to stem nematode. Reaction to spotted alfalfa aphid, blue alfalfa aphid and Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety).
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Transition 6.10RR Submitted: November 21, 2006
Experimental designations: FG R74BD28, RR04BD-487

AmeriStand 855T RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: Fusarium wilt and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Southwest. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene. Test variety has improved forage yield under saline stress similar to the salt tolerant check.

4. This variety has high resistance to Phytophthora root rot and spotted alfalfa aphid; with resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, stem nematode and root knot nematode (M. hapla). Reaction to pea aphid, blue alfalfa aphid, Aphanomyces root rot and Verticillium wilt has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: AmeriStand 855T RR

Submitted: November 21, 2006

Experimental designations: FG R84BD24, RR04BD-408

Alfagraze 600 RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, grazing tolerance, winter-active growth, persistence and resistance to one or more of the following pests: Fusarium wilt, anthracnose (race 1) and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively.)

2. This variety is adapted to the Southwest and Winterhardy Intermountain regions. This variety has been tested in California and Idaho. It will be used in the Southwest and Winterhardy Intermountain regions.

3. Test variety has fall dormancy similar to FD6 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Fusarium wilt and root knot nematode (*M. hapla*); resistance to anthracnose (Race 1), Phytophthora root rot, Verticilium wilt and spotted alfalfa aphid; with moderate resistance to stem nematode. Reaction to bacterial wilt, pea aphid, blue alfalfa aphid and Aphanomyces root rot has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Alfagraze 600 RR

Submitted: November 21, 2006

Experimental designations: FG R84BD31, RR04BD-401

WL 660RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: Fusarium wilt and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Southwest. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD9 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Phytophthora root rot and root knot nematode (*M. hapla*); resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, spotted alfalfa aphid, and stem nematode; with low resistance to Aphanomyces root rot (Race 1). Reaction to pea aphid, blue alfalfa aphid and Verticillium wilt has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: WL 660RR

Submitted: November 21, 2006

Experimental designations: FG R94BD21, RR04BD-436

Pinal 9

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: Bacterial wilt, anthracnose (Race 1), Fusarium wilt and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Southwest. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD9 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Phytophthora root rot and root knot nematode (*M. hapla*); with resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt and stem nematode. Reaction to Aphanomyces root rot, pea aphid, spotted alfalfa aphid, blue alfalfa aphid and Verticillium wilt has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Pinal 9

Submitted: November 21, 2006

Experimental designations: FG R94BD25

Expedition Amendment - Description

1. The selection criteria used in the development of this variety include forage yield, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose, Phytophthora root rot, and Aphanomyces root rot (Race 1).
2. This variety is adapted to North Central, East Central and Great Plains regions. This variety has been tested in Wisconsin, Nebraska and Indiana and is intended for use in the North Central, East Central and Great Plains regions.
3. Test variety is Moderately Fall Dormant, similar to FD5 checks. Test variety is Moderately Winterhardy, similar to WS3 checks. Flower color (Syn2) is 96% purple, 3% variegated, 1% yellow with a trace of white and cream. This variety has high multifoliolate expression.
4. Test variety has high resistance to anthracnose (Race 1), Fusarium wilt, Verticillium wilt, Phytophthora root rot and Aphanomyces root rot (Race 1); with resistance to bacterial wilt, stem nematode, spotted alfalfa aphid and root-knot nematode (M. hapla). Reaction to blue alfalfa aphid and pea aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 1998. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2003.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Expedition

Experimental Designation(s): FG 5M87

Date NA&MLVRB first accepted this variety: January 2003

Date(s) previous amendments were accepted: January 2004

Date amendment submitted: November 21, 2006

Tahoe

Amendment - Description

1. F.G. 6J88 (Tahoe) is a synthetic variety developed by selecting 782 plants for expression of the multifoliolate (ML) trait and plant vigor. Original parent cultivars were AzML (germplasm release), Legend, Mede, Express, Meteor and Condor. Following crosses of ML by non ML sources, resulting populations were selected for the following traits: resistance to Verticillium wilt, Phytophthora root rot, anthracnose, blue alfalfa aphid, pea aphid and spotted alfalfa aphid as well as the ML trait and plant vigor. Breeding method used was phenotypic recurrent selection. Original germplasm source contribution was approximately: M. falcate (1%), Ladak (12%), M. varia (8%), Turkestan (25%), African (10%), Flemish (11%), Chilean (9%), Peruvian (1%), Indian (10%), and unknown (13%).
2. F.G. 6J88 (Tahoe) is adapted to and intended for use in the Sacramento Valley of California and the high desert areas of the western U.S. for general forage production. It has been tested in California and Idaho.
3. F.G. 6J88 (Tahoe) is a moderately non-dormant cultivar with fall dormancy being most similar to Lahontan. Flower color (Syn 2) is approximately 98% purple and 2% variegated with less than 1% each white, yellow or cream. This variety has high multifoliolate leaf expression.
4. F.G. (Tahoe) has high resistance to anthracnose (Race 1), Fusarium wilt, pea aphid, Phytophthora root rot and spotted alfalfa aphid; resistance to blue alfalfa aphid, Verticillium wilt, stem nematode and root knot nematode and moderate resistance to bacterial wilt.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 1992. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed of F.G. (Tahoe) will be available in 1995.
7. Plant Variety Protection has been applied for.
8. This information may be forwarded to the PVP office.
9. Variety Name: Tahoe

Experimental Designation(s): FG 6J88

Date NA&MLVRB first accepted this variety: January 1995

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

Genoa

Amendment - Description

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose, Phytophthora root rot, and Aphanomyces root rot (Race 1).
2. This variety is adapted to North Central, East Central and Winterhardy Intermountain regions. This variety has been tested in Wisconsin, Pennsylvania, and Idaho and is intended for use in the North Central, East Central and Winterhardy Intermountain regions.
3. Test variety is Moderately Fall Dormant, similar to FD4 checks. Test variety is Extremely Winterhardy, similar to WS1 checks. Flower color (Syn2) is 92% purple, 8% variegated with a trace of yellow, white and cream. This variety has high multifoliolate expression.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt and Aphanomyces root rot (Race 1); with resistance to stem nematode and pea aphid. Reaction to root-knot nematode, spotted alfalfa aphid, blue alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 2000. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2003.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Genoa

Experimental Designation(s): FG 40M157

Date NA&MLVRB first accepted this variety: January 2003

Date(s) previous amendments were accepted: January 2005

Date amendment submitted: November 21, 2006

Phoenix Amendment - Description

1. The selection criteria used in the development of this variety include forage yield, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose, Phytophthora root rot, Aphanomyces root rot (Race 1 and Race 2), and Sclerotinia crown and stem rot.
2. This variety is adapted to East Central and Winterhardy Intermountain regions. This variety has been tested in Idaho, Indiana, and Tennessee, and is intended for use in the East Central and Winterhardy Intermountain regions.
3. Test variety is Moderately Fall Dormant, similar to FD5 check. Test variety is Low Winterhardy, similar to WS4 check. Flower color (Syn2) is 97% purple, 3% variegated with a trace of yellow, white and cream.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, and pea aphid; resistance to Aphanomyces root rot (Race 1) and stem nematode; with moderate resistance to root-knot nematode (*M. hapla*). Reactions to spotted alfalfa aphid and blue alfalfa aphid have not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced in the greenhouse in 1999 and in the field near Nampa, ID in 2000. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2004.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Phoenix

Experimental Designation(s): FG 50T176

Date NA&MLVRB first accepted this variety: January 2004

Date(s) previous amendments were accepted: January 2006

Date amendment submitted: November 21, 2006

Medalist

1. The selection criteria used in the development of this variety include forage yield, fall dormancy reaction, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, stem nematode and Phytophthora root rot.
2. This variety is adapted to the Winterhardy Intermountain U.S. region. This variety has been tested in Idaho and Colorado, and is intended for use in Moderately Winterhardy and Winterhardy Intermountain U.S. regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Moderately Winterhardy, similar to WS3 check. Flower color (Syn2) is 92% purple, 4% variegated, 2% white, 1% yellow, and 1% cream. This variety has moderate multifoliolate leaf expression.
4. This variety has high resistance to anthracnose (Race 1), bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, spotted alfalfa aphid, stem nematode and root knot nematode (*M. hapla*); with resistance to pea aphid and Aphanomyces root rot (Race 1). Reaction to blue alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2001. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2005.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Medalist

Experimental Designation(s): FG 41W206

Date NA&MLVRB first accepted this variety: January 2005

Date(s) previous amendments were accepted: None

Date amendment submitted: November 21, 2006

RRALF 8R100

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, anthracnose (Race 1) and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Southwest. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Phytophthora root rot and root knot nematode (*M. hapla*); resistance to anthracnose (Race), bacterial wilt and Fusarium wilt; with moderate resistance to stem nematode. Reaction to Verticillium wilt, Aphanomyces root rot, pea aphid, spotted alfalfa aphid and blue alfalfa aphid has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: RRALF 8R100

Submitted: November 21, 2006

Experimental designations: FG R84BD22, RR04BD-454

Desert Sun 8.10RR

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, winter-active growth, persistence and resistance to one or more of the following pests: Fusarium wilt and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to the Southwest. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Phytophthora root rot and root knot nematode (*M. hapla*); resistance to anthracnose (Race 1) and bacterial wilt; with moderate resistance to Fusarium wilt and stem nematode. Reaction to pea aphid, blue alfalfa aphid, spotted alfalfa aphid, *Aphanomyces* root rot and *Verticillium* wilt has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Desert Sun 8.10RR

Submitted: November 21, 2006

Experimental designations: FG R84BD23, RR04BD-406

Integra 8801R

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, anthracnose (Race 1), and Phytophthora root rot. Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).

2. This variety is adapted to California and the low desert areas of the West. This variety has been tested in California and Idaho. It will be used in the Southwest.

3. Test variety has fall dormancy similar to FD8 checks. Flower color (Syn1) is 100% purple with a trace of yellow, white, cream and variegated. Test variety is "Roundup Ready®" expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.

4. This variety has high resistance to Phytophthora root rot and root knot nematode (*M. hapla*); resistance to bacterial wilt and Fusarium wilt; with moderate resistance to anthracnose (Race1) and stem nematode. Reaction to pea aphid, blue alfalfa aphid, spotted alfalfa aphid, *Aphanomyces* root rot (Race 1) and *Verticillium* wilt has not been tested.

5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Breeder seed was produced in the field near Nampa, ID in 2004. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Production of Syn 2 foundation seed requires the consent of the breeder. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety.)

6. Certified seed will be marketed in 2007.

7. No decision has been made concerning Plant Variety Protection Act.

8. The information in this application may not be forwarded to the PVP office.

9. Variety Name: Integra 8801R

Submitted: November 21, 2006

Experimental designations: FG R84BD20, RR04BD-407

Integra 8300

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Pennsylvania, Indiana and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Fall Dormant, similar to FD3 check. Test variety is Extremely Winterhardy, similar to WS1 check. Flower color (Syn2) is 88% purple, 10% variegated, 1% cream and 1% yellow with a trace of white. This variety has high multifoliolate leaf expression.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and pea aphid; with resistance to root-knot nematode (*M. hapla*) and stem nematode. Reaction to blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 2002. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office
9. Variety Name: Integra 8300

Experimental Designation(s): FG 32Q104; FG 32M104

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: June 28, 2006

Integra 8400

Amendment – Name Change

1. The selection criteria used in the development of this variety include forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and or Race 2).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, New York, Iowa and Pennsylvania and is intended for use in the North Central and East Central regions.
3. Test variety is moderately Dormant, similar to FD4 check. Test variety is very Winterhardy, similar to WS2 check. Flower color (Syn2) is 89% purple, 7% variegated, 2% cream, 1% white and 1% yellow.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and pea aphid; with resistance to root-knot nematode (M. hapla) and stem nematode. Reaction to blue alfalfa aphid and spotted alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced near Nampa, Idaho in 2002. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Integra 8400

Experimental Designation(s): FG42T129

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: June 28, 2006

Integra 8900

Amendment – Name Change

1. This variety was selected for winter-active growth, high forage yield and persistence.
2. This variety is adapted to California and the low desert areas of the Southwest. This variety has been tested in California. It will be used in the Southwest.
3. Test variety has fall dormancy similar to FD9 checks. Flower color (Syn2) is 100% purple with traces of white, cream, variegated and yellow.
4. This variety has high resistance to Fusarium wilt, pea aphid, spotted alfalfa aphid and blue alfalfa aphid; with resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, stem nematode and root-knot nematode (M. hapla). Reaction to Aphanomyces root rot has not been tested.
5. Seed increase is on a limited generation basis with one generation of breeder and two generations of foundation and certified seed classes. Breeder (Syn 1), foundation (Syn 2 or Syn 3), and certified (Syn 3 or Syn 4) classes will be recognized. Production of Syn 3 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2001. Forage Genetics will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively.
6. Certified seed will be marketed in 2006.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: Integra 8900

Experimental Designation(s): FG 91T403

Date NA&MLVRB first accepted this variety: January 2006

Date(s) previous amendments were accepted: None

Date amendment submitted: June 28, 2006

54H11

Amendment - Description

1. 54H11 is a synthetic cultivar with 109 parent plants intercrossed in the greenhouse. Parent plants trace to Pioneer experimentals with winterhardiness, forage yield, persistence, and resistance to lodging. Parent plants of 54H11 were selected phenotypically for winterhardiness, general appearance, resistance to lodging and to one or more of the following pests: bacterial wilt, Verticillium wilt, Phytophthora root rot, Aphanomyces root rot, and Phoma crown and leaf spot.
2. 54H11 is adapted to the North Central and moderately winterhardy intermountain regions of the United States. 54H11 is intended for use in the North Central, East Central, moderately winterhardy intermountain, Great Plains, and winterhardy intermountain region of the United States. It also is intended for use in Canada.
3. 54H11 is a moderately dormant cultivar with fall dormancy similar to FD-4 check. Flower color of the Syn 2 generation is approximately 99% purple, 1% variegated, with a trace of cream, yellow and white.
4. 54H11 is highly resistant to anthracnose (race 1), Aphanomyces root rot (race 1), Verticillium wilt, and Fusarium wilt; resistant to Phytophthora root rot, spotted alfalfa aphid, pea aphid, Northern root-knot nematode, stem nematode, bacterial wilt and lodging; and low resistance to Aphanomyces root rot (race 2). Reactions to blue alfalfa aphid have not been tested.
5. Breeder seed (Syn 1) was produced on 140 plants in 2001 in Connell, WA, and bulked. Seed classes will be breeder, foundation (Syn 2 or 3), and certified (Syn 3, 4, or 5). Foundation seed may be produced from breeder or foundation. The second-generation foundation seed may be produced at the discretion of Pioneer Hi-Bred International, Inc. Limitations of age of stand will be one, three and five years, respectively, for breeder, foundation and certified seed. Breeder seed must be grown in the Pacific Northwest region of the United States.
6. Seed will be marketed in the spring of 2004.
7. Application for Plant Variety Protection may be made and the certification option will not be requested.
8. As a means of added varietal protection, information included with the Application for Review of Alfalfa Varieties for Certification may be provided to the PVP office.
9. Variety name: 54H11

Experimental designation: X54H11, Y54H11, 01W09PM2, W00PM72

Date submitted: November 26, 2003

54V09

Amendment – Name Change

1. 54V09 is a 63 plant population derived from a strain cross of multiple Pioneer breeding lines. These parent lines were phenotypically selected for stem nematode and Northern root-knot nematode as well as for one or more of the following: anthracnose race 1, Phytophthora root rot, Aphanomyces root rot (races 1 and 2), bacterial wilt, Fusarium wilt, Verticillium wilt, and spotted alfalfa aphid. Parent plants were also selected phenotypically for field vigor, field appearance, and fall dormancy.
2. 54V09 area of probable adaptation is the North Central, East Central, Moderately Winterhardy Intermountain, Winterhardy Intermountain, Great Plains regions of the United States and Ontario, Canada with the primary purpose being hay, haylage, greenchop or dehydration. 54V09 has been tested for yield in Iowa, Illinois, Minnesota, Washington, Wisconsin and Ontario Canada.
3. 54V09 is a dormant cultivar with fall dormancy similar to FD-4 check. Flower color in the Syn 2 generation is 92% purple, 8% variegated, with traces of yellow, white and cream found.
4. 54V09 is highly resistant to anthracnose (Race 1), bacterial wilt, Verticillium wilt, Phytophthora root rot, pea aphid, stem nematode, and Northern root-knot nematode; resistant to Fusarium wilt, spotted alfalfa aphid and Aphanomyces root rot (Race 1); moderate resistance to Aphanomyces root rot (Race 2). 54V09 has not been tested for blue alfalfa aphid resistance.
5. Breeder seed (Syn 2) was produced from 248 random plants started as seedlings in the greenhouse, and transplanted to cage in the Pacific Northwest during the summer of 2001. Seed classes will be breeder (Syn 2), foundation (Syn 2 or 3), and certified (Syn 3, 4, or 5). Foundation seed may be produced from breeder or foundation. The second generation foundation seed may be produced at the discretion of Pioneer Hi-Bred International, Inc. Limitations of age of stand will be one, three and five years, respectively, for breeder, foundation and certified seed. Pioneer Hi-Bred International will maintain breeder seed for the life of the cultivar.
6. Seed will be marketed in the spring of 2007.
7. Application for Plant Variety Protection may be made and the certification option will not be requested.
8. As a means of added varietal protection, information included with the Application for Review of Alfalfa Varieties for Certification may be provided to the PVP office.
9. Variety name: 54V09

Experimental designation: 01N09PL2, N00SL78

Date submitted: November 30, 2005

54R02

1. The selection criteria used in the development of this variety include Roundup herbicide tolerance, forage yield, forage quality, persistence and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, anthracnose (Race 1), Phytophthora root rot, and Aphanomyces root rot (Race 1 and Race 2). Parent plants contain tolerance to Roundup® (glyphosate) herbicide conferred by the CP4 5-enolpyruvylshikimate-3-phosphate synthase (cp4-epsps) transgene, specifically, the USDA deregulated Roundup Ready® alfalfa transgenic events J101 and/or J163 (OECD unique identifiers: MON-00101-8 and MON-00163-7, respectively).
2. This variety is adapted to the North Central and East Central regions. This variety has been tested in Wisconsin, Indiana, Pennsylvania and Iowa, and is intended for use in the North Central and East Central regions.
3. Test variety is Moderately Dormant, similar to FD4 check. Test variety is Very Winterhardy, similar to WS2 check. Flower color (Syn2) is 99% purple, 1% variegated with a trace of yellow, cream and white. This variety has high multifoliolate leaf expression. Test variety is “Roundup Ready®” expressing tolerance to Roundup® herbicide conferred by the cp4-epsps transgene.
4. Test variety has high resistance to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Verticillium wilt, Fusarium wilt, Aphanomyces root rot (Race 1) and spotted alfalfa aphid; resistance to stem nematode and root-knot nematode (M. hapla); with moderate resistance to pea aphid. Reaction to blue alfalfa aphid has not been tested.
5. Seed increase is on a limited generation basis with one generation each of breeder and foundation and two generations of certified seed classes. Breeder (Syn 1), foundation (Syn 2), and certified (Syn 2 or Syn 3) classes will be recognized. Production of Syn 2 foundation seed requires consent of the breeder. Breeder seed was produced in the field near Nampa, ID in 2004. Pioneer Hi-Bred International will maintain sufficient foundation seed for the projected life of the variety. Stands of foundation and certified seed fields are limited to 3 and 6 years, respectively. At least one glyphosate application is required during early stand establishment so that cp4-epsps null segregant plants are removed from the seed field prior to pollination. (Null segregant plants are the plants that do not contain the Roundup Ready® trait due to normal genetic segregation in this variety).
6. Certified seed will be marketed in 2007.
7. No decision has been made concerning Plant Variety Protection Act.
8. The information in this application may not be forwarded to the PVP office.
9. Variety Name: 54R02

Experimental designations: FG R44BD03

Date submitted: December 4, 2006

55V48

1. 55V48 selection criteria included forage yield, persistence, fall dormancy reaction and resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, Aphanomyces root rot, stem nematode and Phytophthora root.
2. 55V48 is adapted to the North Central, East Central, Moderately Winterhardy Intermountain regions of the United States and Ontario, Canada. 55V48 has been tested for yield in Iowa, Illinois, Washington, Wisconsin and Ontario Canada and is intended for use in the North Central, East Central, Moderately Winterhardy Intermountain regions of the United States and Canada.
3. 55V48 is moderately dormant, with fall dormancy similar to FD-5 check. Flower color in the Syn 2 generation is 92% purple, 4% variegated, 1% yellow, 2% white and 1% cream.
4. 55V48 is highly resistant to anthracnose (Race 1), bacterial wilt, Phytophthora root rot, Aphanomyces root rot (Race 1), Fusarium wilt, and pea aphid; resistant to Aphanomyces root rot (Race 2), Verticillium wilt, spotted alfalfa aphid, Northern root-knot nematode, and stem nematode. 55V48 has not been tested for blue alfalfa aphid resistance.
5. Breeder seed (Syn 2) was produced from 255 random plants started as seedlings in the greenhouse, and transplanted to cage in the Pacific Northwest during the summer of 2002. Seed classes will be breeder (Syn 2), foundation (Syn 2 or 3), and certified (Syn 3, 4, or 5). Foundation seed may be produced from breeder or foundation. The second-generation foundation seed may be produced at the discretion of Pioneer Hi-Bred International, Inc. Limitations of age of stand will be one, three and six years, respectively, for breeder, foundation and certified seed. Pioneer Hi-Bred International will maintain breeder seed for the life of the cultivar.
6. Seed will be marketed in the spring of 2008.
7. Application for Plant Variety Protection may be made and the certification option will not be requested.
8. As a means of added varietal protection, information included with the Application for Review of Alfalfa Varieties for Certification may be provided to the PVP office.
9. Variety name: 55V48

Experimental designation: 02W03PX2, W01PM97

Date submitted: December 4, 2006

Morning Star Amendment – Name Change

1. Morning Star is adapted to the Southwest region of the U.S., Argentina, and South Africa and is intended for use in Argentina, Chile, and South Africa. Morning Star has been tested in California, Argentina, and South Africa. The intended use of Morning Star is for hay, haylage, greenchop, or pasture.
2. Morning Star is longer in days to 50% bloom, shorter in plant height, has fewer prostrate, semi-prostrate, and semi-erect plants with more erect plants, and has higher frequencies of plants without leaf markings, with light pink flower color, and with light and medium green leaf color compared to Cherokee.
3. Morning Star has resistance to southern anthracnose and moderate resistance to northern anthracnose and Aphanomyces root rot (race 1).
4. Seed increase of Morning Star is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 1995. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years.
5. Certified seed of Morning Star will be available in 2004.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: Morning Star

Experimental Designation: CW 9504

Date NA&MLVRB first accepted this variety: January 1999

Date previous amendments were accepted:

Date this amendment submitted: December 1, 2006

CW 9804

1. CW 9804 is adapted to the Sacramento Valley of California. The intended use is for hay, haylage, greenchop, and pasture. CW 9804 has been tested in California and is intended for use in Argentina, Chile, Uruguay, Australia, South Africa and other regions where winter active red clover is grown.
2. CW 9804 has approximately 83% of plants with leaf markings. Approximately 98% of StarFire II plants have medium pink flower color with 2% red flower color. StarFire II has approximately 60% of plants with glabrous stems, 35% having hairs perpendicular or pointing down, and 5% with hairs projecting upward.
3. Seed increase of CW 9804 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 1998. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years. .
4. Certified seed of CW 9804 will be available in 2007.
5. No decision has been made regarding Plant Variety Protection.
6. This information can be forwarded to the PVP office.
7. Variety Name: Date submitted: 12/4/06
Experimental designations: CW 9804

CW 9805

1. CW 9805 is adapted to the Sacramento Valley of California. The intended use is for hay, haylage, greenchop, and pasture. CW 9805 has been tested in California and is intended for use in Argentina, Chile, Uruguay, Australia, South Africa and other regions where winter active red clover is grown.
2. CW 9805 has approximately 86% of plants with leaf markings. Approximately 97% of CW 9805 plants have medium pink flower color with 3% red flower color. CW 9805 has approximately 39% of plants with glabrous stems, 55% having hairs perpendicular or pointing down, and 6% with hairs projecting upward.
3. Seed increase of CW 9805 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 1998. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years. .
4. Certified seed of CW 9805 will be available in 2007.
5. No decision has been made regarding Plant Variety Protection.
6. This information can be forwarded to the PVP office.
7. Variety Name: Date submitted: 12/4/06
Experimental designations: CW 9805

CW9806

1. CW 9806 is adapted to the Sacramento Valley of California. The intended use is for hay, haylage, greenchop, and pasture. CW 9806 has been tested in California and is intended for use in Argentina, Chile, Uruguay, Australia, South Africa and other regions where winter active red clover is grown.
2. CW 9806 has approximately 84% of plants with leaf markings. Approximately 96% of CW 9806 plants have medium pink flower color with 4% red flower color. CW 9806 has approximately 32% of plants with glabrous stems and 68% having hairs perpendicular or pointing down.
3. Seed increase of CW 9806 is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 1998. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years. .
4. Certified seed of CW 9806 will be available in 2007.
5. No decision has been made regarding Plant Variety Protection.
6. This information can be forwarded to the PVP office.
7. Variety Name: Date submitted: 12/4/06
Experimental designations: CW 9806

CW 10001

1. CW 10001 is adapted to the North Central, East Central, and Moderately Winterhardy Intermountain areas of the U.S. The intended use is for hay, haylage, greenchop, and pasture. CW 10001 has been tested in Wisconsin, Kentucky, and California and is intended for use in the North Central, East Central, and Moderately Winterhardy Intermountain areas of the U.S and Canada.
2. CW 10001 has approximately 81% of plants with leaf markings. Approximately 97% of CW 10001 plants have medium pink flower color with 3% red flower color. CW 10001 has approximately 51% of plants with glabrous stems, 46% having hairs perpendicular or pointing down, and 3% with hairs projecting upward.
3. Seed increase of CW 10001 is on a limited generation basis with two generations of the breeder, foundation and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2001. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years. .
4. Certified seed of CW 10001 will be available in 2007.
5. No decision has been made regarding Plant Variety Protection.
6. This information can be forwarded to the PVP office.
7. Variety Name: Date submitted: 12/4/06
Experimental designations: CW 10001

StarFire II

1. StarFire II is adapted to the North Central, East Central, and Moderately Winterhardy Intermountain areas of the U.S. The intended use is for hay, haylage, greenchop, and pasture. StarFire II has been tested in Wisconsin, Kentucky, and California and is intended for use in the North Central, East Central, and Moderately Winterhardy Intermountain areas of the U.S and Canada.

2. StarFire II has approximately 45% of plants with leaf markings. Approximately 96% of StarFire II plants have medium pink flower color with 4% red flower color. StarFire II has approximately 60% of plants with glabrous stems, 37% having hairs perpendicular or pointing down, and 3% with hairs projecting upward.

3. Seed increase of StarFire II is on a limited generation basis with two generations of the breeder, foundation and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under cage isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 3 years.

4. Certified seed of StarFire II will be available in 2007.

5. No decision has been made regarding Plant Variety Protection.

6. This information can be forwarded to the PVP office.

7. Variety Name: StarFire II

Date submitted: 12/4/06

Experimental designations: CW 20002

Rapid

1. Rapid is adapted to the north central United States and is intended for use in the North Central and East Central United States. It has been tested in Iowa and Wisconsin.
2. Rapid is a diploid medium red clover. Its flower color is 15% red, 15% light pink, 55% medium pink, and 15% dark pink. Approximately 70% of the plants exhibit leaf marks, and 90% have hairs on the stems. Rapid is resistant to northern anthracnose and powdery mildew. Approximately 75% of the plants flower in the seeding year. Rapid is about a day earlier maturity than Marathon.
3. Seed increase of Rapid is limited to one generation of Breeder (Syn. 1), two generations of Foundation (Syn. 2 or 3), and two generations of Certified (Syn. 3 or 4) classes. Breeder seed was produced in 2000 sufficient for the life of the variety and is maintained by Dairyland Research. Length of stand allowed is 2 years and 3 years each for the foundation and certified classes.
4. Certified seed will first be offered for sale in 2007.
5. Application will not be made for Plant Variety Protection.
6. Information in this application may be forwarded to the PVP office.
7. Variety name: Rapid

Experimental designation: RC 13, GLC 006

Date submitted: November 30, 2006

Scarlett II

1. Scarlett II is adapted to the North Central United States and is intended for use in the North Central and East Central United States. It has been tested in Iowa and Wisconsin.
2. Scarlett II is a diploid medium red clover. Its flower color is 10% red, 10% light pink, 60% medium pink, and 20% dark pink. Approximately 60% of the plants exhibit leaf marks, and 90% have hairs on the stems. Scarlett II is resistant to northern anthracnose and powdery mildew. Approximately 90% of the plants flower in the seeding year. Scarlett II is about a day earlier maturity than Marathon.
3. Seed increase of Scarlett II is limited to one generation of Breeder (Syn. 1), two generations of Foundation (Syn. 2 or 3), and two generations of Certified (Syn. 3 or 4) classes. Breeder seed was produced in 2000 sufficient for the life of the variety and is maintained by Dairyland Research. Length of stand allowed is 2 years and 3 years each for the foundation and certified classes.
4. Certified seed will first be offered for sale in 2007.
5. Application will not be made for Plant Variety Protection.
6. Information in this application may be forwarded to the PVP office.
7. Variety name: Scarlett II

Experimental designation: RC 12

Date submitted: November 30, 2006

FP345

Amendment – Name Change

1. FP345 is adapted to the north central and east central United States, and is intended for use in those areas. It has been tested in Indiana, Illinois, Kentucky, Michigan, Ohio, Pennsylvania, Tennessee, and Wisconsin.
2. FP345 is a diploid medium red clover. Its flower color is 7% red, 13% light pink, 50% medium pink, and 30% dark pink. Approximately 73% of the plants exhibit leaf marks, and 97% have hairs on the stems. FP345 is highly resistant to southern anthracnose and powdery mildew. Approximately 76% of the plants flower in the seeding year. FP345 reaches 50% bloom 5 days earlier than Arlington in the spring growth of the first year after seeding.
3. Seed increase of FP345 is limited to one generation of breeder (syn-1), two generations of foundation (syn-2 or 3), and three generations of certified (syn-2, 3, or 4) classes. Breeder seed was produced in 1999 sufficient for the life of the variety and is maintained in cold storage by FFR Cooperative. Length of stand allowed is 2 years and 3 years each for the foundation and certified classes, respectively. Production of foundation seed is limited to the northwest United States.
4. Certified seed will first be offered for sale in 2006.
5. Application will not be made for Plant Variety Protection.
6. Information in this application may be forwarded to the PVP office.
7. Variety name: FP345

Experimental designation: RC9602

Date submitted: November 28, 2005

Date accepted: January 2006

Amendment submitted: November 28, 2006

CW 204

1. CW 204 is a synthetic variety of Ladino type white clover with 297 parent plants that were selected sequentially for winter hardiness, stolon density, high leaf-to-stem ratio, vigor, freedom from leaf disease and virus, and frost resistance. Parent plants were selected from three-year old Wisconsin yield trials from commercial varieties and various populations that were developed by phenotypic recurrent selection for leaf disease resistance, stolon density, and vigor. Parentage of CW 204 traces to the following germplasm sources: Crescendo (10%), Osceola, Tillman II, and Aran (8% each), Regal, California, NFZ Gigant (7% each), Canopy (6%), Shasta (6%), Lirepa (4%), and miscellaneous Cal/West Seeds breeding populations (29%). Breeder seed was produced under field isolation near Woodland, California in 2002. Seed was bulk harvested from all parent plants.

2. CW 204 is adapted to the North Central and Moderately Winterhardy Intermountain areas of the U.S. It is intended for use in the North Central and East Central areas of the U.S. and Canada. CW 204 has been tested in Wisconsin and California. The intended use of CW 204 is for hay, haylage, greenchop, or pasture, primarily in mixtures with forage grasses.

3. CW 204 is earlier in maturity and has a higher frequency of plants without leaf markings compared to Regal.

4. Seed increase of CW 204 is on a limited generation basis with two generations each of breeder, foundation, and certified seed classes. Breeder (Syn.1 or Syn.2), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.2 breeder or Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 2002. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 2 and 4 years, respectively.

5. Certified seed of CW 204 will be available in 2007.

6. No decision has been made regarding Plant variety Protection.

7. This information can be forwarded to the PVP office.

8. Variety Name:

Date submitted: December 1, 2006

Experimental designations: CW 204

RegalGraze Amendment – Name Change

1. RegalGraze is adapted to the Southeast, East Central, and Moderately Winterhardy Intermountain areas of the U.S. It is intended for use in the Southeast, East Central, and North Central, areas of the U.S. RegalGraze has been tested in California, Georgia, and Kentucky. The intended use of RegalGraze is for hay, haylage, greenchop, or pasture, primarily in mixtures with forage grasses.
2. RegalGraze is earlier in maturity and has a higher frequency of plants without leaf markings compared to CW 190.
3. Reaction of RegalGraze to pests has not been characterized.
4. Seed increase of RegalGraze is on a limited generation basis with one generation of breeder and two generations of the foundation and certified seed classes. Breeder (Syn.1), foundation (Syn.2 or Syn.3), and certified (Syn.3 or Syn.4) classes will be recognized. Production of Syn.3 foundation seed requires consent of the breeder. Breeder seed was produced under field isolation near Woodland, California in 1997. Sufficient foundation seed for the projected life of the variety will be maintained by Cal/West Seeds. Stands of foundation and certified seed fields are limited to 2 and 4 years, respectively.
5. Certified seed of RegalGraze will be available in 2004.
6. No decision has been made regarding Plant Variety Protection.
7. This information can be forwarded to the PVP office.
8. Variety Name: RegalGraze

Experimental Designation: CW 9701 (CW 7000)

Date NA&MLVRB first accepted this variety: January 2004

Date previous amendments were accepted:

Date this amendment submitted: December 1, 2006