

**A REPORT OF THE
NATIONAL GRASS VARIETY REVIEW BOARD**



ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

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NATIONAL GRASS
VARIETY REVIEW BOARD

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES
(FEBRUARY 2006)

The Association of Official Seed Certifying Agencies (AOSCA), National Grass Variety Review Board reviewed the following varieties, February 16th, 2006, in Corvallis, OR. 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 Grass Variety Review Board by the applicants. The National Grass Variety Review Board makes judgment regarding recommendations of varieties for inclusion in certification based on the data supplied. Beyond this, the National Grass 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 Grass Variety Review Board can be obtained from:

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Respectfully submitted,

Neal R. Foster, Chair National Grass Variety Review Board

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SUMMARY PAGE

AJM

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **AJM**
Date submitted: **January 7, 2006**
2. AJM is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection. The parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the final 2 cycles of selection was 68% and 35%. Sources of germplasm trace back to the varieties: Pennant II, Radiant, Excel and Divine. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for AJM was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). AJM had an average heading date of May 16. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of AJM is 59.9 cm. which is shorter than Manhattan II (72.4 cm.) and Linn (77.7 cm.). The average flag leaf height of AJM is 34.2 cm. which is similar to Pinnacle (35.9 cm.) and shorter than Manhattan II (43.9 cm.).
4. AJM was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.6 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of AJM is 8.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). AJM has a turf density rating of 7.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and Palmer III (6.0). The Red Thread resistance of AJM is 6.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. AJM has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, AJM will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

BPR

1. Variety name: Not yet named Kind: Perennial ryegrass
Genus: Lolium Species: perenne L.
Experimental designation(s): BPR
Date submitted: January 7, 2006
2. BPR is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the final 2 cycles of selection was 81% and 47%. Sources of germplasm trace back to the varieties: Divine crossed with Majesty, Wilmington, Radiant, Federation crossed with Pennant II. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for BPR was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). BPR had an average heading date of May 18. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of BPR is 60.8 cm. which is shorter than Linn (77.7 cm.). The average flag leaf height of BPR is 35.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. BPR was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.6 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of BPR is 7.3 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and statistically darker green than Palmer III (5.7). BPR has a turf density rating of 6.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and Palmer III (6.0). The Red Thread resistance of BPR is 6.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. BPR has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, BPR will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

CNV

1. Variety name: Not yet named Kind: Perennial ryegrass
Genus: Lolium Species: perenne L.
Experimental designation(s): CNV
Date submitted: January 7, 2006
2. CNV is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 64% and 30%. Sources of germplasm trace back to the varieties: Wizard, Excel, Ascend & Majesty crosses, and Cadence & Pennant II crosses. In each cycle, parental selections were made before anthesis. The number of plants selected, or the rouging percentage is shown in the flow chart. Breeder seed was harvested in 2004.
3. Morphological data for CNV was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). CNV had an average heading date of May 18. This maturity is statistically earlier than Manhattan II (May 23) and later than Pinnacle (May 5). The average plant height of CNV is 62.1 cm. which is shorter than Manhattan II (72.4 cm.) and Linn (77.7 cm.). The average flag leaf height of CNV is 34.4 cm. which is shorter than Manhattan II (43.9 cm.).
4. CNV was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.7 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3) and rated higher than Palmer III (6.7). The genetic color of CNV is 8.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). CNV has a turf density rating of 7.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and Palmer III (6.0). The Red Thread resistance of CNV is 5.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. CNV has been tested in turf trials at State College, Pennsylvania and Puyallup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, CNV will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

ES45

1. Variety name: Not yet named Kind: Perennial ryegrass
Genus: Lolium Species: perenne L.
Experimental designation(s): ES45
Date submitted: January 7, 2006
2. ES45 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 80% and 35%. Sources of germplasm trace back to the varieties: Pennant II, plant collection 1P98 (Aug 1998, near Lewisburg PA), Divine, Excel x Wizard cross, and Cadence x Pennant II cross. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for ES45 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). ES45 had an average heading date of May 20. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of ES45 is 58.1 cm. which is shorter than Manhattan II (72.4 cm.) and Linn (77.7 cm.). The average flag leaf height of ES45 is 32.6 cm. which is shorter than Manhattan II (43.9 cm.).
4. ES45 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.0 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of ES45 is 8.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). ES45 has a turf density rating of 6.3 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and Palmer III (6.0). The Red Thread resistance of ES45 is 5.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. ES45 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, ES45 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

EXS54

1. Variety name: Not yet named Kind: Perennial ryegrass
Genus: Lolium Species: perenne L.
Experimental designation(s): EXS54
Date submitted: December 27, 2005
2. EXS54 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 65% and 45%. Sources of germplasm trace back to the varieties: Wind Dance, Wilmington, Wizard and a plant collection (from old turf areas near Lewisburg PA). In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for EXS54 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). EXS54 had an average heading date of May 18. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of EXS54 is 60.1 cm. which is shorter than Linn (77.7 cm.). The average flag leaf height of EXS54 is 33.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. EXS54 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.8 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3) and rates higher than Palmer III (6.7). The genetic color of EXS54 is 8.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). EXS54 has a turf density rating of 6.3 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7) and Palmer III (6.0). The Red Thread resistance of EXS54 is 6.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. EXS54 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, EXS 54 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

GPR

1. Variety name: Not yet named Kind: Perennial ryegrass
Genus: Lolium Species: perenne L.
Experimental designation(s): GPR
Date submitted: January 7, 2006
2. GPR is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 64% and 58%. Sources of germplasm trace back to the varieties: Divine x Radiant crosses, Splendid crosses, Enterprise crosses and Line Drive x Pennant II crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for GPR was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). GPR had an average heading date of May 17. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of GPR is 60.8 cm. which is shorter than Linn (77.7 cm.). The average flag leaf height of GPR is 34.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. GPR was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.6 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3) and rates higher than Palmer III (6.7). The genetic color of GPR is 8.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). GPR has a turf density rating of 7.7 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of GPR is 5.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. GPR has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, GPR will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

KN42

1. Variety name: **Halo** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **KN42**
Date submitted: **January 7, 2006**
2. KN42 is an improved open-pollinated variety developed through 5 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 85% and 25%. Sources of germplasm trace back to the varieties: Divine x Radiant crosses, Icon x Wilmington, Gallery x Pennant II, plant collection 1P96 (collected from old turf near Lewisburg, PA) and plant collection 1V97 (collected from old turf near Providence Forge, VA). In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for KN42 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). KN42 had an average heading date of May 20. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of KN42 is 60.2 cm. which is shorter than Linn (77.7 cm.). The average flag leaf height of KN42 is 33.7 cm. which is shorter than Manhattan II (43.9 cm.).
4. KN42 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.75 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3) and rates higher than Palmer III (6.7). The genetic color of KN42 is 8.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). KN42 has a turf density rating of 6.7 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of KN42 is 5.6 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. KN42 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, KN42 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant_____

SUMMARY PAGE

L44

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **L44**
Date submitted: **January 7, 2006**
2. L44 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 50% and 33%. Sources of germplasm trace back to the varieties: Line Drive, Wilmington, Pennant II, Line Drive X Divine crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for L44 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). L44 had an average heading date of May 16. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of L44 is 63.5 cm. which is most similar to Pinnacle (59 cm.). The average flag leaf height of L44 is 35.5 cm. which is shorter than Manhattan II (43.9 cm.).
4. L44 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.1 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of L44 is 9.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). L44 has a turf density rating of 6.7 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of L44 is 5.6 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. L44 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, L44 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

LPFG

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **LPFG**
Date submitted: **January 7, 2006**
2. LPFG is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 20% and 35% respectively. Sources of germplasm trace back to the varieties: Pennant II, Plant Collection 1P99 (collected from old turf near Lewisburg PA) and Wilmington. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for LPFG was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). LPFG had an average heading date of May 19. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of LPFG is 60.3 cm. which is statistically shorter than Manhattan II (72.4 cm.). The average flag leaf height of LPFG is 34 cm. which is shorter than Manhattan II (43.9 cm.).
4. LPFG was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.2 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of LPFG is 8.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). LPFG has a turf density rating of 6.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of LPFG is 5.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. LPFG has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, LPFG will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

MP3

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **MP3**
Date submitted: **January 7, 2006**
2. MP3 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 56% and 27% respectively. Sources of germplasm trace back to the varieties: Plant collection 1V96, Splendid, Pennant II and Pennant II x Majesty. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for MP3 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). MP3 had an average heading date of May 18. This maturity is statistically earlier than Elka (May 30) and latter than Pinnacle (May 5). The average plant height of MP3 is 60.9 cm. which is statistically shorter than Linn (77.7 cm.). The average flag leaf height of MP3 is 35.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. MP3 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.0 (2005 data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (6.3). The genetic color of MP3 is 7.4 (2005 data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (7.1) and statistically darker green than Palmer III (5.8). MP3 has a turf density rating of 7.3 (2005 data from trials conducted at Verboort, OR) which is statistically similar to Mach I (6.8). The leaf texture of MP3 is 6.9 (data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (6.5).
5. MP3 has been tested in turf trials at Lewisburg, Pennsylvania and Verboort, Oregon. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, MP3 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

MR2

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **MR2**
Date submitted: **January 7, 2006**
2. MR2 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 65% and 40% respectively. Sources of germplasm trace back to the varieties: Radiant, Gallery, Summerset and Radiant x Divine crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for MR2 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). MR2 had an average heading date of May 17. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of MR2 is 61.7 cm. which is statistically shorter than Linn (77.7 cm.). The average flag leaf height of MR2 is 33.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. MR2 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.0 (2005 data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (6.2). The genetic color of MR2 is 7.6 (2005 data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (7.1) and statistically darker green than Palmer III (5.8). MR2 has a turf density rating of 7.6 (2005 data from trials conducted at Verboort, OR) which is statistically similar to Mach I (6.8). The leaf texture of MR2 is 7.1 (data from trials conducted at Lewisburg, PA) which is statistically similar to Mach I (6.5).
5. MR2 has been tested in turf trials at Lewisburg, Pennsylvania and Verboort, Oregon. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, MR2 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

PWDR

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **PWDR**
Date submitted: **January 7, 2006**
2. PWDR is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 56% and 33% respectively. Sources of germplasm trace back to the varieties: Wind Dance, Icon, Wind Dance X Divine cross and Pennant II. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for PWDR was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). PWDR had an average heading date of May 17. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of PWDR is 62.4 cm. which is most similar to Pinnacle (59 cm.). The average flag leaf height of PWDR is 35 cm. which is statistically shorter than Manhattan II (43.9 cm.).
4. PWDR was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.2 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of PWDR is 8.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). PWDR has a turf density rating of 6.7 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of PWDR is 5.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. PWDR has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, PWDR will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

RTS

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **RTS**
Date submitted: **January 7, 2006**
2. RTS is an improved open-pollinated variety developed through 3 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 40 and 27%. Sources of germplasm trace back to the varieties: Divine x Pennant II crosses, Radiant x Wilmington crosses and Plant Collection 1P98. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for RTS was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). RTS had an average heading date of May 16. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of RTS is 61.4 cm. which is statistically shorter than Manhattan II (72.4 cm.). The average flag leaf height of RTS is 34.5 cm. which is shorter than Manhattan II (43.9 cm.).
4. RTS was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.25 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.33). The genetic color of RTS is 8.33 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.66). RTS has a turf density rating of 6.33 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.67). The Red Thread resistance of RTS is 5.67 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.33) and Panther (5.0).
5. RTS has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, RTS will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant_____

SUMMARY PAGE

SNR

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **SNR**
Date submitted: **January 7, 2006**
2. SNR is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 77% and 30% respectively. Sources of germplasm trace back to the varieties: Nexus, Nexus X Radiant crosses, Pennant II and Divine X Majesty crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for SNR was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). SNR had an average heading date of May 18. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of SNR is 55.8 cm. which is statistically shorter than Manhattan II (72.4 cm.) and Pinnacle (59 cm.). The average flag leaf height of SNR is 30.9 cm. which is shorter than Manhattan II (43.9 cm.).
4. SNR was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.4 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of SNR is 8.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). SNR has a turf density rating of 6.7 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of SNR is 5.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. SNR has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, SNR will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

SP4

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **SP4**
Date submitted: **January 7, 2006**
1. SP4 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 70% and 42%. Sources of germplasm trace back to the varieties: Nexus, Wilmington, Pennant II and Line Drive. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
2. Morphological data for SP4 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). SP4 had an average heading date of May 18. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of SP4 is 58.1 cm. which is statistically shorter than Manhattan II (72.4 cm.). The average flag leaf height of SP4 is 32.5 cm. which is shorter than Manhattan II (43.9 cm.).
3. SP4 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.2 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of SP4 is 8.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (8.0) and statistically darker green than Palmer III (6.7). SP4 has a turf density rating of 6.3 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Palmer III (6.0). The Red Thread resistance of SP4 is 4.7 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
4. SP4 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
5. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
6. Upon acceptance by the NGVRB, SP4 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
7. Signature of Applicant _____

SUMMARY PAGE

TR47

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **TR47**
Date submitted: **January 7, 2006**
2. TR47 is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 60% and 35% respectively. Sources of germplasm trace back to the varieties: Majesty, Plant collection 1P98 and Wilmington x Divine crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for TR47 was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). TR47 had an average heading date of May 18. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of TR47 is 59.5 cm. which is statistically shorter than Manhattan II (72.4 cm.). The average flag leaf height of TR47 is 32.7 cm. which is statistically shorter than Manhattan II (43.9 cm.).
4. TR47 was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.8 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of TR47 is 9.0 (2005 data from trials conducted at Puyallup, WA) which is statistically darker green than Palmer III (6.7). TR47 has a turf density rating of 7.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of TR47 is 5.0 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. TR47 has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, TR47 will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

TRS

1. Variety name: **Not yet named** Kind: **Perennial ryegrass**
Genus: **Lolium** Species: **perenne L.**
Experimental designation(s): **TRS**
Date submitted: **January 7, 2006**
2. TRS is an improved open-pollinated variety developed through 4 cycles of phenotypic recurrent selection for turf performance. Parent plants were selected from superior performing turf plots and space plants. Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. The rouging percentage of space plants in the last 2 cycles of selection was 60% and 45%. Sources of germplasm trace back to the varieties: Radiant, Plant Collection 1V96, Plant Collection 1P98 and Divine x Pennant II crosses. In each cycle, parental selections were made before anthesis. Breeder seed was harvested in 2004.
3. Morphological data for TRS was collected from nurseries grown in 2004 - 2005 near Verboort, and Albany, Oregon (nurseries were planted in the fall of 2004). TRS had an average heading date of May 17. This maturity is statistically earlier than Manhattan II (May 23) and latter than Pinnacle (May 5). The average plant height of TRS is 58.6 cm. which is statistically shorter than Manhattan II (72.4 cm.). The average flag leaf height of TRS is 33.7 cm. which is statistically shorter than Manhattan II (43.9 cm.).
4. TRS was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.7 (2005 data from trials conducted at State College, PA) which is statistically similar to Mach I (7.3). The genetic color of TRS is 8.0 (2005 data from trials conducted at Puyallup, WA) which is statistically darker green than Palmer III (6.7). TRS has a turf density rating of 7.0 (2005 data from trials conducted at Corvallis, OR) which is statistically similar to Mach I (6.7). The Red Thread resistance of TRS is 6.3 (2005 data from trials conducted at Puyallup, WA) which is statistically similar to Mach I (5.3) and Panther (5.0).
5. TRS has been tested in turf trials at State College, Pennsylvania and Puyllup, Washington. (Data collected in 2005). It is recommended for use as a turf grass in those areas.
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, TRS will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the fall of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

DAKOTA

1. Variety name: Dakota Kind: Tall Fescue
Genus: Festuca Species: arundenacea
Experimental designation(s): PS03, MRF PS03
Date submitted: January 7, 2006
2. Dakota is an improved open-pollinated variety developed through 5 cycles of phenotypic recurrent selection for turf performance. The average percentage of plants selected from the populations each cycle was as follows: cycle 1 (5%), cycle 2 (0.8%), cycle 3 (2%), Cycle 4 (1.%) and cycle 5 (25.7%). Selection criteria were for dark green color, high tiller density, fine-leaf texture and disease resistance. Selections were made each cycle before anthesis. The sources of germplasm trace back to the varieties: Southern Choice, Falcon II, and two collections of plants from old turf near (1) Providence Forge, Virginia and (2) Lewisburg Pennsylvania. Breeder seed of Dakota was first produced in 2003.
3. Morphological data was collected in 2004 and 2005 at Verboort, Oregon (from space planted nurseries in the fall of 2003 and 2004 respectively). Dakota had an average heading date of May 10, statistically maturing 4 days latter than Rebel II (May 6). The mean plant height of Dakota is 93.7 cm. which is statistically shorter than Rebel II (112.8 cm.) and Bonanza (109 cm.). The mean flag leaf height of Dakota is 42 cm. which is shorter than Rebel II (57.6 cm.) and Bonanza (54.1 cm.).
4. Dakota was developed to be used as a turf grass. This variety has a mean turf quality rating of 7.4 (2005 data, Lewisburg PA) which is statistically better than Plantation (6.0) and Falcon II (5.6). The genetic color of Dakota is 7.8 (2005 data, Lewisburg PA) which is statistically similar to Plantation (7.1) and statistically darker green than Jaguar 3 (5.7) and Falcon II (5.3). Dakota has a density rating of 6.9 (2005 data, Lewisburg PA) which is statistically similar to Plantation (6.4) and statistically denser than Jaguar 3 (5.6). The leaf texture of Dakota is 7.8 (2005 data, Lewisburg PA) which is statistically similar to Plantation (7.2) and statistically finer textured than Bonsai (5.8).
5. Dakota has been tested in turf trials conducted near Verboort, Oregon and Lewisburg Pennsylvania (data collected in 2005) and is recommended as a turf grass variety in those areas
6. Breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. This seed will be the source for future production and regeneration of seed stock. The originating breeder or his designees will oversee the regeneration of seed stock assuring the authenticity of the variety. Length of stand is limited to: 2 years for the Foundation generation, 2 years for the Registered generation and 4 years for the Certified generation.
7. Upon acceptance by the NGVRB, Dakota will be entered into the certification program in April of 2006. Certified seed will be offered for sale in the Spring of 2006.
8. Signature of Applicant _____

SUMMARY PAGE

PICK CRF 1-03

1. Variety name: Not yet named Kind: Creeping Red Fescue
Genus: Festuca Species: rubra rubra
Experimental designation(s): Pick CRF 1-03
Date Submitted: December 31, 2005
2. **Pick CRF 1-03** is an experimental synthetic cultivar developed from the initial open pollination of individuals from nine half-sib families. Parental germplasm for the cultivar was selected from progeny of collections from Rose City Cemetery, Portland, OR, Atlantic City, NJ, and from cultivars *Jasper*, *Jasper BL*, *Jasper E*, and *Jasper II*. The initial open pollination was conducted at Pickseed West, Inc. (PSW), Albany, OR. All parental material was selected on the basis of expressing dark green foliage color, dwarf mature growth habit, and good seed production potential. Breeder seed was harvested of **Pick CRF 1-03** June 2003.
3. **Pick CRF 1-03** has shown a range of heading date in western Oregon of April 6-7, over two years of evaluation. *Boreal* has a later heading date ranging from April 13-18, over two years. From data generated in western Oregon, **Pick CRF 1-03** exhibits an average mature plant height of 71 cm (range 60-81 cm). *Ensylva* and *Jasper II* are taller at 81 cm and 76 cm, respectively. The average panicle length of **Pick CRF 1-03** is 13.8 cm (range 12.1-15.4 cm). *Shademaster* and *Jasper II* both exhibit similar panicle length.
4. From evaluation of turf performance at sites in Maine and New Jersey, **Pick CRF 1-03** has scored 7.3 and 6.1 for each respective site (on a 1-9 scale; 9=best) for the 2004 season. This quality was statistically better than *Boreal* and the same as *Jasper II*. For foliage color, **Pick CRF 1-03** rated 7.3 and 8.0, respectively. *Boreal* rated less at 4.7 and 3.0 for the locations; *Jasper II* had similar color to **Pick CRF 1-03**.
5. **Pick CRF 1-03** has shown good quality turf performance at research sites in Maine and New Jersey, equaling the performance of *Jasper II*. Additional testing will have to be conducted before further claims can be made regarding turf performance of **Pick CRF 1-03** at different geographical locations.
6. Breeder seed of **Pick CRF 1-03** was first produced in July 2003. A record sample of this seed and any further breeder seed production will be maintained by PSW. Foundation, Registered, and Certified classes of seed production will be maintained by PSW. Length of stand for classes of seed production will be limited to 4 years for Foundation and Registered fields, and 7 years for fields producing Certified seed.
7. First Certified seed of **Pick CRF 1-03** should be available August 2006.



8. SIGNATURE OF APPLICANT

SUMMARY PAGE

PICK RHFNGS#1-H2

1. Variety name: Not yet named Kind: Hard Fescue
Genus: Festuca Species: brevipila
Experimental Designation(s): Pick RHFNGS#1-H2
Date Submitted: December 31, 2005
2. **Pick RHFNGS#1-H2** is an experimental synthetic cultivar developed from the initial open pollination of individuals from 26 half-sib families. Parental germplasm for the cultivar was selected from progeny of collections from Atlantic City, NJ, old maintenance turf areas in eastern U.S. and from cultivars *Aurora*, *Azay*, *Reliant*, *Scaldis*, *Spartan*, and *Waldina*. The initial open pollination was conducted at Pickseed West, Inc. (PSW), Albany, OR. All parental material was selected on the basis of expressing dark green foliage color, dwarf mature growth habit, and good seed production potential. Breeder seed of **Pick RHFNGS#1-H2** was harvested July 2002.
3. **Pick RHFNGS#1-H2** has shown a range of heading date in western Oregon of April 11-14 (average April 13), over two years of evaluation. *Scaldis* showed a similar range in heading date. From data generated in western Oregon, **Pick RHFNGS#1-H2** exhibits an average mature plant height of 74 cm (range 65-82 cm). *Aurora* shows the same height, and *Scaldis* and *Spartan* are taller, averaging 85 and 89 cm, respectively. The average panicle length of **Pick RHFNGS#1-H2** is 10.6 cm (range 10.3-10.8 cm). *Spartan* exhibits longer panicles, averaging 13.0 cm.
4. From evaluation of turf performance at sites in Maine and New Jersey, **Pick RHFNGS#1-H2** has exhibited good quality. For the 2004 season, **Pick RHFNGS#1-H2** scored 7.9 and 5.6 for each respective site (on a 1-9 scale; 9=best). This quality was the same as *Reliant IV*. For foliage color, **Pick RHFNGS#1-H2** rated 6.7 and 5.0 for the locations. *Oxford* and *Reliant IV* had similar color at both locations in 2004.
5. **Pick RHFNGS#1-H2** shown good quality turf performance at research sites in Maine and New Jersey, equaling performance of *Reliant IV*. Additional testing will have to be conducted before further claims can be made regarding turf performance of **Pick RHFNGS#1-H2** at different geographical locations.
6. Breeder seed of **Pick RHFNGS#1-H2** was first produced in July 2002. A record sample of this seed and any further breeder seed production will be maintained by PSW. Foundation, Registered, and Certified classes of seed production will be maintained by PSW. Length of stand for classes of seed production will be limited to 4 years for Foundation and Registered fields, and 7 years for fields producing Certified seed.
7. First Certified seed of **Pick RHFNGS#1-H2** should be available August 2006.

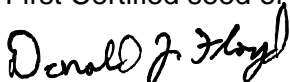


8. SIGNATURE OF APPLICANT

SUMMARY PAGE

PICK Lh TT-2

1. Variety name: **Not yet named** Kind: **Intermediate Ryegrass**
Genus: **Lolium** Species: **hybridum**
Experimental Designation(s): **Pick Lh TT-2**
Date Submitted: **December 31, 2005**
2. **Pick Lh TT-2** is a new experimental variety of intermediate ryegrass developed by Pickseed West, Inc. (PSW). The variety is the result of a composite field cross of 102 individual plants selected in the spring of 2002 from *Transeze*, *Transist 2200*, and experimental varieties *Pick Lh A-00* and *Pick 00-B Lh*. The selection nursery was originally established with 1000 individual plants. Parental material of **Pick Lh TT-2** was selected on the basis of plants showing robust foliage growth of dark green color and fine texture, early reproductive heading, and long floral spikes. Progeny seed produced in July 2003 from individuals of the composite cross was bulked and considered breeder seed of **Pick Lh TT-2**.
3. **Pick Lh TT-2** has shown a range of heading date in western Oregon of May 6-12 (average May 9) over two seasons. This is the same average date as for *Transeze*. *Froghair* has an earlier average heading date of May 4. From data generated in western Oregon, **Pick Lh TT-2** exhibits an average mature plant height of 87.3 cm. *Transeze* and *Linn* are similar in plant height to **Pick Lh TT-2**. The average spike length of **Pick Lh TT-2** is 25.7 cm. This length is similar to *Linn* and *Transeze*.
4. For overseeding turf performance, **Pick Lh TT-2** has been evaluated on golf course fairway test surfaces (from autumn seedings) at Mississippi State University and University of Arizona. Both trials were evaluated during the growing season of 2003-04. Overall turf quality scores ranged from 5.6-5.9 on a 1-9 scale (with 9=ideal quality). The quality of **Pick Lh TT-2** was similar to *Transeze* and the experimental cultivar *Pick Lh TT-1*, but was superior to *Gulf* at each location. Foliage color of **Pick Lh TT-2** was medium dark green, ranging from 5.9-6.1 on a 1-9 scale (with 9=darkest green) among the two trial locations. The color was significantly darker than *Gulf* and lighter than *Headstart 2* perennial ryegrass. Foliage color of **Pick Lh TT-2** was similar to the experimental *Pick Lh TT-1* at the MS location only.
5. **Pick Lh TT-2** was developed to meet a demand for new proprietary cultivars for overseeding use. The cultivar has been tested at Mississippi State University and University of Arizona. Quality of its turf when overseeded on dormant bermudagrass fairway surfaces has been good at each location, equaling *Transeze*. Additional testing will have to be conducted before further claims can be made regarding the turf performance of **Pick Lh TT-2** at different geographical locations.
6. Breeder seed of **Pick Lh TT-2** was first produced in July 2003. A record sample of this seed and any further breeder seed production will be maintained by PSW. Foundation, Registered, and Certified classes of seed production will be maintained by PSW. Length of stand for classes of seed production will be limited to 2 years for Foundation and Registered fields, and 2 years for fields producing Certified seed.
7. First Certified seed of **Pick Lh TT-2** should be available August 2006.

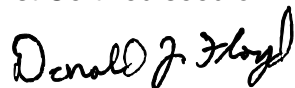


8. SIGNATURE OF APPLICANT

SUMMARY PAGE

PICK F4

1. Variety name: Not yet named Kind: Perennial Ryegrass
Genus: Lolium Species: perenne
Experimental Designation(s): Pick F4
Date Submitted: December 31, 2005
2. **Pick F4** is an experimental synthetic cultivar selected from maternal progenies of 15 clones. Each of the 15 clones of **Pick F4** was selected from different maternal plants evaluated in single plots at the Rutgers Plant Science Research and Extension Farm at Adelphia, NJ in a turf trial established in 2002. Tillers from these single plot progenies were selected in September 2003 and sent to Pickseed West, Inc. (PSW), Albany, OR for final selection and breeder seed production during 2004. Final parent material was selected on the basis of expressing fine foliage texture, dark green foliage color, and potential for good seed production.
3. During the 2005 growing season, **Pick F4** showed a range in heading date at two western Oregon locations of May 13-15 (average May 14). *Linn* was earlier with an average heading date of April 25. *Manhattan II* was later with an average heading of May 24. From data generated in western Oregon, **Pick F4** exhibited an average mature plant height of 56 cm (range 41-70 cm). *Elka* was similar in plant height to **Pick F4**, and *Manhattan II* was taller at 73 cm (range 61-84 cm). The average spike length of **Pick F4** was 15.6 cm (range 13.2-18.0 cm). *Linn* and *Manhattan II* have exhibited longer spikes at 24.0 and 22.7 cm, respectively.
4. From preliminary evaluation of turf performance at Oregon State University and Washington State University, **Pick F4** has shown fair quality. Upon evaluations at the two locations, **Pick F4** scored 5.4 and 4.3, respectively (on a 1-9 scale; 9=best) for average turf quality. *Mach I* and *Panther* showed similar quality at the two locations. For foliage color, **Pick F4** rated 8.0 and 8.7 for the two locations. *Panther* and *Pinnacle* rated less with scores of 5.0 and 5.7 each, at both locations.
5. **Pick F4** has shown fair quality scores at Oregon State University and Washington State University, equaling scores of the recently released commercial cultivar *Mach I*. Additional testing will have to be conducted before further claims can be made regarding the turf performance of **Pick F4** at different geographical locations.
6. Breeder seed of **Pick F4** was first produced in July 2004. A record sample of this seed and any further breeder seed production will be maintained by PSW. Foundation, Registered, and Certified classes of seed production will be maintained by PSW. Length of stand for classes of seed production will be limited to 4 years for Foundation and Registered fields, and 7 years for fields producing Certified seed.
7. First Certified seed of **Pick F4** should be available August 2006.



8. SIGNATURE OF APPLICANT

SUMMARY PAGE

MS2

1. Variety name: Not yet named Kind: Perennial Ryegrass
Genus: Lolium Species: perenne
Experimental Designation(s): MS2
Date Submitted: December 31, 2005
2. **MS2** is an experimental synthetic cultivar selected from bulked progenies originating from 22 parents. The original 22 parents were assembled for open pollination amongst each other May 2002. Four of the parents were selected from the cultivar *Mach I*, ten parents were selected from *Seville II*, and eight parents were selected from a PSW germplasm source, *AMS-02*. Parentage of *AMS-02* traces back to a recombination of selections from *Vivid* and *Icon*, plus the experimental cultivar *Pick Lp Q-93*. The initial cross and subsequent 2003 Syn 2 multiplication was conducted at Pickseed West, Inc. (PSW), Albany, OR. All parent material was selected on the basis of expressing fine foliage texture, dark green foliage color, potential for good seed production, and good tolerance to rust fungi diseases. Breeder seed was harvested of **MS2** July 2003.
3. **MS2** has shown a range of heading date in western Oregon of May 12-14 (average May 13) over two locations. *Linn* and *Pinnacle* are earlier with average heading dates of April 25 and May 5, respectively. From data generated in western Oregon, **MS2** exhibits an average mature plant height of 60 cm (range 52-70 cm). *Pinnacle* is similar in plant height to **MS2**, and *Manhattan II* is taller at 73 cm (range 61-84 cm). The average spike length of **MS2** is 17.1 cm (range 16.1-18.1 cm). *Linn* and *Manhattan II* both exhibit longer spikes at 24.0 and 22.7 cm, respectively.
4. From preliminary evaluation of turf performance at Oregon State University (OSU) and Washington State University (WSU), **MS2** has shown fair quality. Upon evaluations at the two locations, **MS2** scored 5.1 and 4.4, respectively (on a 1-9 scale; 9=best) for average turf quality. *Mach I* and *Panther* showed similar quality at the two locations. For foliage color, **MS2** rated 7.0 and 8.0 for the two locations. *Panther* and *Pinnacle* rated less with scores of 5.0 and 5.7, each at both locations.
5. **MS2** has shown fair quality scores at OSU and WSU, equaling scores of the recently released commercial cultivar *Mach I*. Additional testing will have to be conducted before further claims can be made regarding the turf performance of **MS2** at different geographical locations.
6. Breeder seed of **MS2** was first produced in July 2003. A record sample of this seed and any further breeder seed production will be maintained by PSW. Foundation, Registered, and Certified classes of seed production will be maintained by PSW. Length of stand for classes of seed production will be limited to 4 years for Foundation and Registered fields, and 7 years for fields producing Certified seed.
7. First Certified seed of **MS2** should be available August 2006.



8. SIGNATURE OF APPLICANT

SUMMARY PAGE

VAIL II

1. Variety Name: **Vail II** Kind: **Perennial Ryegrass**
Genus: **Lolium** Species: **perenne**
Experimental Designations: **PR1, RAD-PR1**
Date Submitted: **January 7, 2006**
2. Vail II was developed using one cycle of selection. Vail II originates from the varieties Vail (33.3%), All Star 2 (22.3%), Grand Slam (11.1%), and Pizzaz (11.1%), as well as naturalized selections collected from the Lincoln Park Golf Course in San Francisco, CA in January 2002 (11.1%) and from the Paso Tiempo Golf Course in Santa Cruz, CA in January 2002 (11.1%). Breeder seed of Vail II was first produced in 2003.
3. Vail II is a medium-late maturing cultivar with a heading date of May 31, similar to Pinnacle (May 29) and Manhattan II (May 29). Vail II has total plant height of 65.8 cm, similar to Manhattan (68.0 cm) and shorter than Manhattan II (73.5 cm). Vail II has a flag leaf length of 13.6 cm, similar to Elka (13.2 cm) and shorter than Manhattan II (16.3 cm). (All data averaged over two years.)
4. Data taken in 2004 and 2005 from turf trials planted in Western Oregon show that Vail II exhibited very good turf quality with an average score of 6.2, similar to All Star 2 (6.0) and better than Gator 3 (5.6). Vail II exhibited very good genetic color with an average score of 6.4, similar to All Star 2 (5.9) and Kokomo (5.7). (All data averaged over two years.) (Scale = 1-9, 9 = best.)
5. Vail II has been tested under lawn conditions in Western Oregon. Vail II exhibited very good turf quality at this location, indicating that Vail II is suitable for use in lawns in Western Oregon.
6. Vail II breeder seed is produced by the breeder. A sample of the original breeder seed has been retained in cold storage for future use. Foundation fields will be maintained by Radix Research, Inc. Seed increase beyond breeder is limited to three generations; one each for foundation, registered and certified. The stand life of each generation should be limited to the following:
 1. Foundation: 3 years + 4 years of certified.
 2. Registered: 3 years + 4 years of certified.
 3. Certified: 7 years.
7. If Vail II is accepted by official seed certifying agencies, the first certified seed of Vail II will be offered for sale in 2006.
8. Steven J. Witten

Signature of Applicant

SUMMARY PAGE

RAD-PR21, PR21

1. Variety Name: **Not yet named** Kind: Perennial **Ryegrass**
Genus: **Lolium** Species: **perenne**
Experimental Designations: **RAD-PR21, PR21**
Date Submitted: **January 7, 2006**
2. RAD-PR21 was developed using one cycle of selection. RAD-PR21 originates from the varieties Kokomo (25%), Keystone (25%), and All Star 2 (16.6%), as well as naturalized selections collected from the Coronado Golf Course in San Diego in January 2002 (16.7%) and from the Paso Tiempo Golf Course in Santa Cruz in January 2002 (16.7%). Breeder seed of RAD-PR21 was first produced in 2003.
3. RAD-PR21 is a medium maturing cultivar with a heading date of May 28, similar to Pinnacle (May 29) and Manhattan II (May 29). RAD-PR21 has a total plant height of 64.4 cm, taller than Elka (53.1 cm) and shorter than Pinnacle (71.3 cm). RAD-PR21 has a spike length of 18.2 cm, similar to Pinnacle (19.6 cm) and Elka (17.7 cm). (All data averaged over two years.)
4. Data taken in 2004 and 2005 from turf trials planted in Western Oregon show that RAD-PR21 exhibited good turf quality with an average score of 5.7, similar to Gator 3 (5.6) and Kokomo (5.6). RAD-PR21 exhibited very good genetic color with an average score of 5.9, similar to All Star 2 (5.9) and Kokomo (5.7). (All data averaged over two years.) (Scale = 1-9, 9 = best.)
5. RAD-PR21 has been tested under lawn conditions in Western Oregon. RAD-PR21 exhibited good turf quality at this location, indicating that RAD-PR21 is suitable for use in lawns in Western Oregon.
6. RAD-PR21 breeder seed is produced by the breeder. A sample of the original breeder seed has been retained in cold storage for future use. Foundation fields will be maintained by Radix Research, Inc. Seed increase beyond breeder is limited to three generations; one each for foundation, registered and certified. The stand life of each generation should be limited to the following:
 1. Foundation: 3 years + 4 years of certified.
 2. Registered: 3 years + 4 years of certified.
 3. Certified: 7 years.
7. If RAD-PR21 is accepted by official seed certifying agencies, the first certified seed of RAD-PR21 will be offered for sale in 2006.
8. Steven J. Witten
Signature of Applicant

SUMMARY PAGE

RAD-TF3, TF3

1. Variety Name: **Not yet named** Kind: **Tall Fescue**
Genus: **Festuca** Species: **arundinacea**
Experimental Designations: **RAD-TF3, TF3**
Date Submitted: **January 7, 2006**
2. RAD-TF3 was developed using one cycle of selection. RAD-TF3 originates from the varieties Rembrandt (11.2%), Millennium (22.2%), Barlexas II (22.2%), and Pixie (11.1%) as well as naturalized selections collected from The Marston House in San Diego, CA in January 2002 (11.1%), Mount Hope Cemetery in San Diego, CA in January 2002 (11.1%), and The Alvarado House in San Diego, CA in January 2002 (11.1%). Breeder seed of RAD-TF3 was first produced in 2003.
3. RAD-TF3 is a medium maturing cultivar with a heading date of May 13, similar to Crewcut (May 12) and 3 days later than Mini Mustang (May 10). RAD-TF3 is a semi-dwarf cultivar with a total plant height of 106.8 cm, similar to Shortstop (112.4 cm) and Rebel Jr. (105.9 cm). RAD-TF3 has a relatively wide flag leaf width of 8.4 mm, similar Rebel Jr. (7.9 mm) and narrower than Bonanza (9.2mm). (All data averaged over two years.)
4. Data taken in 2004 and 2005 from turf trials planted in Western Oregon show that RAD-TF3 exhibited very good turf quality with an average score of 6.3, similar to Finelawn Elite (6.4) and Titanium (6.2). RAD-TF3 exhibited very good genetic color with an average score of 7.1, similar to Raptor (6.8) and darker than Titanium (6.2). (All data averaged over two years.) (Scale = 1-9, 9 = best.)
5. RAD-TF3 has been tested under lawn conditions in Western Oregon. RAD-TF3 exhibited very good turf quality at this location, indicating that RAD-TF3 is suitable for use in lawns in Western Oregon.
6. RAD-TF3 breeder seed is produced by the breeder. A sample of the original breeder seed has been retained in cold storage for future use. Foundation fields will be maintained by Radix Research, Inc. Seed increase beyond breeder is limited to three generations; one each for foundation, registered and certified. The stand life of each generation should be limited to the following:
 1. Foundation: 6 years + 3 years of certified.
 2. Registered: 6 years + 3 years of certified.
 3. Certified: 9 years.
7. If RAD-TF3 is accepted by official seed certifying agencies, the first certified seed of RAD-TF3 will be offered for sale in 2006.
8. Steven J. Witten
Signature of Applicant

SUMMARY PAGE

PROTYME

- Variety name: **ProTyme** Kind: **perennial ryegrass**
Genus: **Lolium** Species: **perenne**
Experimental designation(s): **4.625**
Date submitted: **9 January 2006**
- ProTyme is a variety selected for turf quality originating from two sources: one population that included selection and intercrossing of approximately 14 plants from Barclay, Caravelle, Ranger, Palmer II, Yorktown III, and Repell II selected for stress resistance; a population of 24 plants selected from plants recycled from Palmer III for general impression; Selected plants were placed in polycross combination and breeders seed was harvested in 1999. An estimated parental variety contribution prior to selection and recombination is 14% Barclay, 14% Caravelle, 14% Ranger, 14% Palmer II, 14% Yorktown III, 14% Repell II, and 16% Palmer III. Two populations were subjected to from two to three cycles of selection prior to final combination.
- ProTyme was grown in Lebanon, OR for morphological descriptions in 2002 and 2003. ProTyme had a heading date of 16 May 2002, similar to Palmer II (13 May 2002) and later than Linn (1 May 2002). ProTyme had a plant height of 47.9 cm, shorter than both Prelude III (58.9 cm) and Linn (69.8 cm); ProTyme had a spike length of 14.7 cm, similar to Palmer II (15.2 cm) and less than Manhattan (20.3 cm). ProTyme had a heading date of 18 May 2003, similar to Palmer II (20 May 2003) and later than Linn (8 May 2003). ProTyme had a plant height of 46.3 cm, shorter than Prelude III (55.8 cm) and less than Linn (65 cm). ProTyme had a spike length of 13.1 cm, similar to Palmer II (12.7 cm), and less than Manhattan (16.1 cm).
- ProTyme is intended for use as a turfgrass. ProTyme has been tested in KS, KY, CA, IA, MI, NJ, and VA. Turf quality, genetic color, spring density, and red thread resistance were evaluated. ProTyme had a quality of 5.3 and 6.8, similar to Mach I (5.7 and 7.3) and Sunkissed (5.7 and 7.3); ProTyme had color from 6.5 to 6.8, similar to Mach I (6.9 to 7.6) and Sunkissed (7.2 to 7.3); ProTyme had density from 6.6 to 8.0, similar to Mach I (6.8 to 8.7) and to Palmer III (6.3 to 8.7); and red thread from 3.7 to 8.7, similar to Mach I (4.0 to 8.3) and Sunkissed (5.0 to 8.0).
- ProTyme has been trialed in Kansas, Kentucky, California, Iowa, Michigan, New Jersey, and Virginia. Turf performance suggests that ProTyme may be utilized in Kansas and Kentucky where perennial ryegrass is adapted as turf.
- Breeders seed is maintained in a cold storage facility in Lebanon, OR. Seed propagation is limited to breeders seed, two generations of foundation seed, one generation of registered seed, and two generations of certified seed. Field life is limited to three years each for foundation and registered and seven years for certified. Blue Moon Farm will maintain seed stock of the variety. Blue Moon Farm may approve additional years subject to the inspection of the field.
- The first certified seed will be offered for sale August 2006.

8. _____
SIGNATURE OF APPLICANT DATE

SUMMARY PAGE

DRIFTER

1. Variety name: Drifter Kind: perennial ryegrass
Genus: Lolium Species: perenne
Experimental designation(s): 2.0384
Date submitted: 9 January 2006
2. Drifter is a variety selected for turf quality originating from four populations: one population that included selection and intercrossing of Palmer II and Prelude II; a population from crosses among Palmer II, Prelude II, and Caravelle; a population selected from plants recycled from Palmer III for general impression; and a population of plants selected from Palmer II and Prelude II selected for summer stress resistance. Selected plants were placed in polycross combination with selected Seville II, Divine, and Prelude II plants for proximity crosses, with seed harvested from 32 plants; Breeders seed was harvested in 2002. Approximate parental percentage prior to selection and recombination is 5/32 Prelude II, 6/32 Palmer II, 8/32 Caravelle, 5/32 Palmer III, 4/32 Seville II, and 4/32 of Divine. Two to four cycles of selection were conducted on 4 populations prior to final recombination.
3. Drifter was grown in Lebanon, OR for morphological descriptions in 2003 and 2004. Drifter had a heading date of 23 May 2003 and 7 May 2004, later than Linn (7 May, 27 April) and Manhattan (30 May, 16 May). Drifter had a plant height of 45 cm and 55.8 cm, shorter than Linn (64.4, 64.7) and similar to Elka (45.6, 53.0). Drifter had a spike length of 12.9 cm and 15.5 cm, shorter than Linn (17.0, 19.2) and Palmer II (14.4, 13.9). Drifter had a flag leaf length of 9.3 and 9.5 cm, shorter than Linn (12.6, 12.4). Drifter had a flag leaf width of 3.1 and 3.3 mm, less than Linn (4.1, 4.0).
4. Drifter is intended for use as a turfgrass. Drifter has been tested in North Carolina. Turf quality, density, color, and percent summer cover were evaluated. At Carolina National and Magnolia Greens, Drifter had a quality of 6.0, more than Catalina II (5.0) and similar to Palmer III (6.0). Drifter had a color of 6.0, similar to Catalina II (6.0) and Palmer III (6.0). Drifter had a density of 6.0, similar to Palmer III (6.0) and Catalina II (6.0). Drifter had a percent summer cover of 5 percent at Carolina National and 31 percent at Magnolia, similar to Palmer III (6.0, 40.0) and Catalina II (13.0, 35.0).
5. Drifter has been trialed in North Carolina. Turf performance suggests that Drifter may be utilized in North Carolina where perennial ryegrass is adapted as turf.
6. Breeders seed is maintained in a cold storage facility in Lebanon, OR. Seed propagation is limited to breeders seed, two generations of foundation seed, one generation of registered seed, and two generations of certified seed. Field life is limited to three years each for foundation and registered and seven years for certified. Blue Moon Farm will maintain seed stock of the variety. Blue Moon Farm may approve additional years subject to the inspection of the field.
7. The first certified seed will be offered for sale August 2006.
8. _____
SIGNATURE OF APPLICANT DATE

SUMMARY PAGE

ENDURANCE

1. Variety Name: **Endurance** Kind: **Orchardgrass**
Genus: **Dactylis** Species: **glomerata**
Experimental designation(s): **CIS-OG 28, IS-OG 28**
Date submitted: **January 5, 2006**
2. Endurance was developed using one cycle of selection under frequent mechanical mowing and two cycles of selection under cattle grazing. The germplasm used to develop Endurance was a breeding population related to the variety Hallmark. In all selection cycles the primary selection criterion was persistence under frequent defoliation. Breeder seed of Endurance was first produced in 2001.
3. When grown as spaced plants at two western Oregon locations in 2002 the average heading date for Endurance was May 20. This was 3 days later than Hallmark, two days later than Ambassador and 5 days earlier than Pennlate. The mature plant height of Endurance was 106.4 cm. This was similar to Hallmark (109.8 cm) and Benchmark (109.9 cm) and shorter than Ambassador (113.7 cm). The average flag leaf length of Endurance was 16.3 cm. This was shorter than Pennlate (19.6 cm) and similar to Ambassador (16.8 cm) and Boone (15.5 cm).
4. Annual forage yields of Endurance (3.42 to 5.73 tons/acre dry matter) in the southern and northern Piedmont regions of Virginia are similar to Tekapo (3.64 to 5.72 tons/acre dry matter). In the northern Piedmont the forage yield of Endurance is superior to that of Abertop (2.47 to 3.17 tons/acre dry matter). In the northern Piedmont percent stand ratings of Endurance (91 to 95%) were similar to those of Benchmark Plus (94 to 96%) and higher than those of Eastwood (51% to 86%) and Abertop (68% to 86%).
5. Endurance has been tested for forage yield in the northern and southern Piedmont regions of Virginia. At these locations Endurance had good stand persistence and forage yields competitive with those of current commercial varieties indicating that Endurance is suitable for forage production in the Piedmont region of Virginia.
6. A supply of Endurance breeder seed stock is maintained as seed by DLF International Seeds, Halsey, Oregon. Foundation stands may only be planted from breeder seed. Registered stands may be established from either Foundation or Breeder Seed. Certified fields may be established from Breeder, Foundation, or Registered Seed. Foundation and Registered class fields will be limited to three harvests of Foundation/Registered production followed by four additional harvests of Certified production. Certified class fields will be limited to seven years of seed production. Additional years of seed production may be approved by the breeder or an individual designated by the breeder.
7. If Endurance is accepted by official seed certifying agencies Certified Seed will first be offered for sale in August 2006.
8. _____
Signature of Applicant

SUMMARY PAGE

TALON

1. Variety name: Talon Kind: Timothy
Genus: Phleum Species: pratense
Experimental designation: TM9703
Date submitted: December 28, 2005
2. Talon was developed using phenotypic recurrent selection for vigor, regrowth, and plant health, along with progeny testing for forage yield. Twenty plants each of Clair, Kunpu, Colt, Outlaw, and 2 FFR breeding lines were placed in a randomized crossing block at Battle Ground, IN in 1990. Open-pollinated seed was bulk harvested in 1991, and in 1992, 400 plants from this population were established in a spaced-plant nursery at Battle Ground. Following two years of evaluation for maturity, leafiness, spring vigor, and summer regrowth, 113 plants were selected and placed in a replicated polycross block at Battle Ground in 1994. Progeny seed was produced in 1995, and progeny forage yield plots were established at Battle Ground in 1995. The 10 parent clones of Talon were selected based on superior progeny forage yield in 1997, and placed in an isolated crossing block at Battle Ground for the production of syn-1 breeder seed in 1998 and 1999.
3. Talon is similar in maturity to Clair, (mean 50% pollen-shed date at Battle Ground, IN = June 12 and June 10, respectively), and later maturing than Colt (June 18) and Climax (June 21). It is similar in plant height (114.5cm), panicle length (29.4cm), flag leaf length (14.9cm), and flag leaf width (9.0mm) to Colt and Clair.
4. Talon yielded higher than Climax in 2-year tests at Buck Creek, IN (7.34, 3.77 tons per acre dry matter vs. 6.40, 3.04), New Castle, KY (8.41, 5.44 vs. 7.46, 4.34), and Attica, OH (9.24, 10.64 vs. 8.24, 9.49). Regrowth (rating: 9 = most regrowth) of Talon (7.0, 8.3) was rated superior to that of Colt (5.0, 5.3) and Climax (3.0, 3.7) in 2 years at Buck Creek, IN. Third-year stand persistence (visual estimate of percent ground cover; rating: 9.0 > 90% stand, 1.0 < 10% stand) of Talon (mean = 4.6) was equal to that of Clair (4.4), and Colt (4.4) across 3 locations.
5. Talon has been tested in, is adapted to, and is intended for use as hay in Illinois, Indiana, Kentucky, Michigan, New York, Ohio, Pennsylvania, Tennessee, and Wyoming.
6. Recognized classes of seed for Talon are breeder (syn-1), foundation (syn-2 or 3), and certified (syn-2, 3, or 4). Syn-1 breeder seed was produced in isolation at Battle Ground, IN in 1998 and 1999 sufficient for the life of the variety, and is maintained in cold storage by FFR Cooperative. Foundation fields may be established from breeder seed. Certified fields may be established from breeder or foundation seed. Stands of foundation and certified fields are limited to 3 and 5 years, respectively.
7. The first certified seed of Talon will be offered for sale in 2006.
8. Signature of applicant:

SUMMARY PAGE

STARLITE

1. Variety name: **Starlite** Kind: **Rough bluegrass**
Genus: **Poa** Species: **trivialis**
Experimental designation (s): **MVS-504, syn. LF-504, MVS-540**
Date submitted: **December 22, 2005**
2. In 1998 plants were first observed inhabiting a naturalized, occasionally mowed area of farmland West of Aurora, OR. 28 plants were isolated for observation and evaluation. These plants were screened during 1999 for general preferred traits and 18 were considered superior for leaf color, texture, and general absence of crown and leaf disease and were re-established for seed multiplication in 2000. Ultimately seed was bulk harvested from 16 plants which appeared to have the highest seedhead production and the most uniform inter-plant height, the 2 additional plants used only for pollen contribution. This seed was used to establish a syn-1 randomized block of 250 spaced plants. Following spaced-plant establishment and continuing just prior to anthesis in 2001, this nursery was continuously rogued for inter-plant uniformity including height, maturity, texture, crown-leaf density, genetic color, seedhead density and general attractive appearance. About 33% of this population was eliminated and the remaining 185 plants were allowed to inter-pollinate and mature seed and was again bulk harvested. This seed was used to establish a syn-2 randomized block of 300 spaced plants. Again following spaced-plant establishment in the fall of 2001, and continuing just prior to anthesis in 2002, this nursery was continuously observed and rogued as in syn-1. This nursery exhibited a very good level of overall plant uniformity and only 4% of the population was removed from this nursery. In the early summer of 2002, 288 plants were harvested as the syn-2 seed and declared the breeder seed of Starlite (MVS 504, syn. MVS-540) *Poa trivialis*, July of 2002.
3. Starlite *Poa trivialis* has exhibited a medium-late average heading date for a *Poa trivialis* of 128.9 days past January 1 over 2 seasons of observation and with a range of 130.0 days to 127.7 days after January 1 in 2004 & 2005 respectively. This was similar to Laser *Poa trivialis* and later than Sabre *Poa trivialis*. Starlite *Poa trivialis* has exhibited a relatively short mature plant height for a *Poa trivialis* of 56.9 cm over 2 seasons of observation and with a range of 54.3 cm to 59.5 cm in 2004 & 2005 respectively. This was similar to Laser *Poa trivialis* and moderately shorter than Colt and Sabre *Poa trivialis*. Starlite *Poa trivialis* has exhibited a medium-short average panicle length of 11.5 cm in 2 seasons of observation and ranged from 10.6 cm to 12.3 cm in 2004 & 2005 respectively. This was similar to Winterplay *Poa trivialis*.
4. Starlite exhibited an average turf quality of 5.0 based on the 2 locations of Pinehurst, NC CC#3 and Indian Wells CA CC. This is similar to Winterplay-4.8, and RAM-100-4.8. Starlite *Poa trivialis* exhibited an average genetic color rating of 4.2 at these same 2 locations in CA to 4.0 in NC. This compares with RAM-100 and Winterplay, which exhibited averages of 4.7, and 4.0 respectively. Starlite exhibited an average Winter color rating of 4.7 and compares with RAM-100, and Winterplay which averaged 4.7, and 4.3 respectively. The Spring Density rating of Starlite averaged 4.7 and is similar to Winterplay, and RAM-100 which averaged 4.7, and 4.3 respectively. (All ratings are based on 1-9, 9=best, highest)
5. Starlite has been developed and is adapted for use as a turfgrass. Starlite has shown evidence of good performance for this use as exhibited in the National Turfgrass Evaluation Program On-site Overseeding data with good performance results for a *Poa trivialis* at the Indian Wells Country Club in Indian Wells, CA and Pinehurst Country Club #3 in Pinehurst, NC.
6. Breeder seed of Starlite is produced by the breeder. A sample of the original breeder seed of Starlite has been retained in frozen storage. Generations of seed increase shall follow breeder seed as foundation, registered, and certified; with the registered generation as optional. A maximum period of 4 years shall apply within each generation of increase of foundation, registered, and certified.
7. Certified seed of Starlite *Poa trivialis* will be offered for sale in July of 2006.
8. SIGNATURE OF APPLICANT

Variety Fluorescence Levels Recognized by the
AOSCA National Grass Variety Review Board
As of Monday, August 28, 2006

Variety and Kind	Experimental Designation	OECD Synonym Name ¹	Year Approved	Variety Fluorescence Level
246 Perennial ryegrass			1991	0.27%
Silver Dollar Perennial ryegrass	PST-2J\$, Silver Dollar		2005	0.04%
02.0384 Perennial ryegrass ²	02.0384		2004	0.91%
1G2 Perennial ryegrass	1G2		2004	0.63%
2.0383 (LS 2200) Perennial ryegrass ²	2.0383, 02.0383, LS 2200		2006	0.79%
2CB Perennial ryegrass	PST-2CB		1996	1.97%
4.625 (ProTyme) Perennial ryegrass ²	4.625, ABT-99-4.625, 625, ProTyme		2004	0.77%
856 Perennial ryegrass	PR 856		1991	0.87%
89-90 Perennial ryegrass	WVPB 89-90		1994	2.15%
90-14 Perennial ryegrass ²	WVPB PR 90-14		1996	7.12%
96-KSOS-L-1-PR-WVPB-C-24 Perennial ryegrass ²	WVPB-PR-C-24, Wilco-C-24		2000	6.50%
A.S.A.P. Perennial ryegrass	JR-265, A.S.A.P.		2000	1.42%
A+ Perennial ryegrass	WVPB-PR-D-9, PRO Seeds D-9, PS-D-9		2000	6.23%
Academy Perennial ryegrass	WVPB-PR-93-1, PC-93-1, WVPB-PR-P.C.-93-1		1997	2.33%
Accent Perennial ryegrass	Med-393, GII, Ma-GII		1995	0.56%
Accolade Perennial ryegrass	HR-1		1992	4.83%
Accord Perennial ryegrass	Devon Eaver		1993	4.08%
Achiever Perennial ryegrass	Pick 1800		1994	0.93%
Admire Perennial ryegrass	JR-151, Admire		2000	2.37%
Advent Perennial ryegrass	PJC, JC		1991	0.14%
Affinity Perennial ryegrass	GEN-90		1996	0.77%
Affirmed Perennial ryegrass	LTP-95-1X4551, Affirmed		2000	2.59%
Agresso Perennial ryegrass			1991	2.00%
All*Star Perennial ryegrass	Allstar		1992	0.47%
Allaire II Perennial ryegrass	All-2		1995	1.15%
AllSport Perennial ryegrass	A+96, AllSport		1999	0.92%
Amazing Perennial ryegrass	B1, Amazing		2004	0.72%
Americus Perennial ryegrass	A4-01.0613, Americus		2003	0.04%
APM Perennial ryegrass	MS		1994	0.59%
Applaud Perennial ryegrass	11301, Applaud		2003	0.39%
APR1472 Perennial ryegrass	APR1472		2005	0.68%
Aquarius 3 Perennial ryegrass	Aquarius 3		2002	1.24%
Aquarius Perennial ryegrass	KWS A1-2		1996	0.97%
Archer Perennial ryegrass	CAS-MP21		1998	1.51%
Arrival Perennial ryegrass	CIS-PR 84		2005	0.48%
Ascend Perennial ryegrass	MB 45		1999	3.09%
ASP410 Perennial ryegrass	APR120		1998	0.18%
Assure Perennial ryegrass	FZ 2FZ		1991	0.72%
Barlennium Perennial ryegrass	BARUSA 95-1, 95-1, Lp 95-1, BARUSA Lp 95-1		2006	0.21%
Bayou Perennial ryegrass ²	LF-107		2001	1.33%

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Bedford Perennial ryegrass			1991	1.40%
Bella Perennial ryegrass	LRF-94-B7E, LRF-94-B7, B7E, B7, B7 red		1997	0.65%
Blackhawk Perennial ryegrass	WVPB-PR-93-41, TMI-EXFLP-94		1996	1.17%
Blazer 4 Perennial ryegrass	Pick MDR, Blazer 4		2004	0.47%
Blazer III Perennial ryegrass	PR 89-8 DDO, Pick 928		1996	1.18%
Boardwalk Perennial ryegrass	WVPB 88-PR D-4		1995	2.72%
Breeze Perennial ryegrass	WVPB-PR-89-666		1995	1.57%
Brightstar II Perennial ryegrass	PST-2M3	Polarstar	1997	2.24%
Brightstar Perennial ryegrass	GH 89		1993	1.79%
Brightstar SLT Perennial ryegrass	PST-2A6B	Vantage	2002	0.55%
Buccaneer II Perennial ryegrass	WVPB-PR-92-4		1998	5.48%
Buccaneer Perennial ryegrass	Koos 90-1 , WVPB-PR-90-1		1994, 1998	7.44%
C-21 Perennial ryegrass	WVPB 88-PR C-21 (Miss Kitty)		1996	6.28%
Cabo Perennial ryegrass	CIS-PR80, Cabo		2002, 2005	2.62%
Caddieshack Perennial ryegrass	MED-5071, 93-1705		1999, 2001	1.57%
Cadence Perennial ryegrass	Cadence, MRF 44		2004	3.32%
Calibra Perennial ryegrass	Calibra		2006	6.70%
Caliente Perennial ryegrass	UA		1992	0.74%
Calypso II Perennial ryegrass	Agway PR-92		1996	0.47%
Calypso Perennial ryegrass	SWRC		1993	1.29%
CAS-EP66 (Sierra) Perennial ryegrass ²	CAS-EP66, EP66, Sierra		2005	1.31%
CAS-MP64 (Full Throttle) Perennial ryegrass ²	CAS-MP64, MP64, Full Throttle		2006	7.05%
Casper Perennial ryegrass	01.0618, Casper		2005	1.07%
Catalina II Perennial ryegrass	PST-CATS, Catalina II		2003	1.31%
Catalina Perennial ryegrass	PST-GH-94		1996	3.18%
Cathedral Perennial ryegrass	WX9-1		1995	0.85%
Chaparral II Perennial ryegrass	PST-2VL, Wimbledon, Chaparral II	Paradise	2003	0.43%
Chaparral Perennial ryegrass	PST-2DLM		1997	1.62%
Charger II Perennial ryegrass	PST-2QM	Fairway	1998	0.54%
Charisma Perennial ryegrass	WVPB-89-92		1995	2.39%
Charismatic Perennial ryegrass	LTP-98-501, Charismatic		2003	1.39%
Chatham Perennial ryegrass	CAS-SRX	Catia	1996	2.11%
Churchill Perennial ryegrass	LTP-DLM, Churchill		2000	2.93%
Cinderella Perennial ryegrass	LF-103, Barefoot, Bigfoot, Cinderella		2002	1.59%
CIS-MBH Perennial ryegrass	ISI-MBH	Platinum	1998	1.27%
CIS-PR 208 (Buena Vista) Perennial ryegrass ²	CIS-PR 208, IS-PR 208, Buena Vista		2005	2.01%
Citation Fore Perennial ryegrass	PST-2BR, Citation Fore		2002	0.13%
Citation III Perennial ryegrass	PST-2DGR		1996	0.96%
Commander Perennial ryegrass	259		1996	1.02%
Continental Perennial ryegrass	LF-100, Continental		2000	5.88%
Covet Perennial ryegrass	LF-104, Covet		2002	2.71%

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Cruiser Perennial ryegrass	ABT-99-4.709, Cruiser, UT1000, 99.022		2003	0.59%
Cutter Perennial ryegrass	PICK 89-4		1995	1.65%
Dancer Perennial ryegrass	ISS-E		1996	0.78%
Dandy Perennial ryegrass	Cosmos DBS		1991	2.00%
Dazzle Perennial ryegrass	4.724, Dazzle		2004	0.98%
Delaware Dwarf Perennial ryegrass	4dd		1992, 1998	2.60%
Delaware XL Perennial ryegrass	Pick 01-2 PRG		2005	0.71%
Derby Supreme Perennial ryegrass	PR 852		1991	2.85%
DEVO Perennial ryegrass	DEVO		2005	4.98%
Dillon Perennial ryegrass	ISI - K-2		1992	4.14%
Divine Perennial ryegrass	MB 1-1		1995	3.09%
DS 95-201 (Enchanted) Perennial ryegrass ²	DS 95-201, Enchanted		1999	1.12%
Easy Livin' Perennial ryegrass	LF-119, Easy Livin'		2002	1.50%
Ecologic Perennial ryegrass	LF-102, Ecologic		2002	1.49%
Edge Perennial ryegrass	Pick 715 , PR 872		1992	1.73%
Elegance Perennial ryegrass	WVPB 88-PR F-7		1995	1.51%
Elf Perennial ryegrass	BJ 1991		1994	0.75%
Elfin Perennial ryegrass	EL-2		2002	0.89%
Elite Perennial ryegrass	WVPB 88-PR C-23		1995	4.84%
Enterprise Perennial ryegrass	Enterprise, MRF 45		2004	2.76%
Envy Perennial ryegrass	SMTR		1991	0.22%
EP136 (Winterhawk) Perennial ryegrass ²	EP136, Winterhawk		2003	1.63%
EP39 (Pronto II) Perennial ryegrass ²	EP39, Pronto II		2000	1.75%
Equal Perennial ryegrass	WVPB 89-PR 89-57		1994	1.98%
Esquire Perennial ryegrass	WX2-64, Esquire		2000	3.10%
Esteem Perennial ryegrass	MP88, Tiarra, Esteem		2002	0.43%
Evening Shade Perennial ryegrass	VD3cl		1995	1.17%
Exacta Perennial ryegrass	LTP-3351, Exacta		2000	1.22%
Excel Perennial ryegrass	M-B 1-5	Romareda	1995	1.53%
Express Perennial ryegrass	NY88		1992, 1998	4.00%
Extreme Perennial ryegrass	JR-317, Superfly, Extreme		2000	1.32%
Federation Perennial ryegrass	MRF 41, Federation		2002	2.74%
Fiesta 3 Perennial ryegrass	Pick F3, Fiesta 3		2000	1.02%
Fiesta II Perennial ryegrass	D114	PICKWICK	1994	1.14%
Firebolt Perennial ryegrass	PRG HS-01-09		2005	0.63%
Florida 80 Annual ryegrass			1992	98.89%
Galaxy Perennial ryegrass	JR-128, Spyglass, Galaxy		2000	1.19%
Gallery Perennial ryegrass	MB 412, Gallery		2002, 2004	1.68%
Gator II Perennial ryegrass	ISI-RUPR, RUPR, Gator II		1997	2.50%
Gator Perennial ryegrass			1995	0.88%
Gettysburg Perennial ryegrass	WVPB 88-PR PRDR (NJDR-87)		1996	2.74%

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Goalkeeper Perennial ryegrass	J-1704		1999	0.82%
Grand Slam Perennial ryegrass	PST-2L96, Grand Slam		2003	0.40%
Gray Star Perennial ryegrass	PST-2LGL, Gray Star		2005	1.20%
Grazer Annual ryegrass	Grazer Reseeding		1995	99.78%
Greenland Perennial ryegrass	Pick 9100		1995	1.20%
Grimalda Perennial ryegrass			1991	2.00%
Gulf Annual ryegrass			1996	99.02%
Hawkeye Perennial ryegrass	SRX 4RHT, Hawkeye		2003	0.23%
Headstart 2 Perennial ryegrass	PRG HS-01-07, Headstart 2		2005	0.65%
Headstart Perennial ryegrass	Pick PR 84-91, Headstart		1997	2.09%
High Life Perennial ryegrass	LF-105, High Life		2002	1.59%
Icon Perennial ryegrass	MB 414, Icon		2002	2.21%
Imagine Perennial ryegrass	OFI-DW2, QS-DW2		1995	1.31%
Indy Perennial ryegrass	BMX-99-228, Indy		2003	0.25%
Inspire Perennial ryegrass	Rutgers 8000, Inspire, R8000		2002, 2004	0.72%
Integra Perennial ryegrass	FPT, Integra		2002	0.12%
Jackson Annual ryegrass	MSR-86-1		1992	98.80%
Jet Perennial ryegrass	BFP, Pennington BFP, Jet		2000	0.84%
Jiffie II Perennial ryegrass	Pick 01-3 PRG		2005	1.55%
Jiffie Perennial ryegrass	Pick PR 15-91, Jiffie		1997	6.06%
JR-324 (Top Gun II) Perennial ryegrass ²	JR-324, Top Gun II		2006	2.42%
Laredo Perennial ryegrass	PNC-5		1996	0.53%
Legacy Perennial ryegrass	2WDR		1991	0.37%
Lindsay Perennial ryegrass	ISI PR 851		1991	1.72%
Line Drive Perennial ryegrass	MB 47		1997	2.72%
Linn Perennial ryegrass			1991	5.00%
Lowgrow II Perennial ryegrass	PICK Lp EE-93	Sunbright	1998	1.35%
Lowgrow Perennial ryegrass	Lex 86 , PR 874, Pick LLG	Lex 86	1996	1.31%
LRF-94-C8 Perennial ryegrass ²	LRF-94-C8, C-8, LRF-C8		1997	0.64%
LS 2000 Perennial ryegrass ²	LS 2000, LS-PRG-800		2004	2.29%
LS 2100 Perennial ryegrass	PST-2SBE, Sierra, LS 2100		2004	2.94%
Lynx Perennial ryegrass	Pick EEC		1997	4.19%
Mach 1 Perennial ryegrass	Roberts 627, Mach 1		2003	0.47%
Magic II Perennial ryegrass	EP37, Magic II		2000	1.36%
Magic Perennial ryegrass	TPR 88B		1994	1.21%
Magnolia Annual ryegrass			1997 ³	
Majesty Perennial ryegrass	MB 43, MB 43		1997	1.59%
Manhattan 3 Perennial ryegrass	PST-2MS, Manhattan III	Triman	1996	0.88%
Manhattan 4 Perennial ryegrass	PST-2CRL, Manhattan 4		2003	0.26%
Manhattan II Perennial ryegrass		Numan	1991	0.65%
Mardi Gras Perennial ryegrass	ZPS-2NV		1998	1.07%

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Marshall Annual ryegrass			1991	96.00%
Monterey II Perennial ryegrass	JR-187	New Orleans	2001	1.94%
Monterey Perennial ryegrass	J-1706		1999	2.64%
Morningstar Perennial ryegrass	SYN P		1994	0.87%
MP139 (Seahawk) Perennial ryegrass ²	MP139, Seahawk		2003	1.46%
MP5 (PDQ) Perennial ryegrass ²	MP5, CAS-MP5, MP55, PDQ		2000	4.65%
MP58 (Splendor) Perennial ryegrass ²	MP58, Splendor		2002	0.44%
Mulligan Perennial ryegrass	NK 89001		1995	1.86%
Navajo Perennial ryegrass	2DPR	Comanche	1991	0.37%
Newlinn Perennial ryegrass	WVPB PR N-33, N-33		1996	5.85%
Nexus Perennial ryegrass	MB 49, Nexus		2000	2.01%
NightHawk Perennial ryegrass	WVPB 89-PR A-3		1993	1.39%
Nobility Perennial ryegrass	WVPB PR 91-131, Koos 91-131		1996, 1998	7.53%
Nomad Perennial ryegrass	JB-2		1995	1.03%
Nova Perennial ryegrass	SR 4031 PR 831		1991	1.00%
Omega 3 Perennial ryegrass	PST-2DR		1996	0.73%
Omni Perennial ryegrass	SRX 4220, Maxim, SRX 4210		1995	0.51%
Ortet (Boost) Perennial ryegrass ²	Ortet, AT-100, Boost		2006	49.83%
OSP-002 (Greenville) Perennial ryegrass ²	OSP-002, Greenville		2004	2.61%
Pageant II Perennial ryegrass ²	Pratum P-2		2001	3.32%
Pageant Perennial ryegrass	WVPB PR C-24, C-24		1995	2.22%
Palmer II Perennial ryegrass	P89		1993	1.51%
Palmer III Perennial ryegrass	LRF-94-MPRH, MPRH, LRF-MPRH		1997	0.23%
Palmer IV Perennial ryegrass	IG3, 1G3, Palmer IV		2004	1.76%
Palmer Perennial ryegrass			1993	1.04%
Panterra Annual ryegrass	BAR LM1001B, BAR Lm 1001b, TXR98-DBDF		2006	98.36%
Panther Perennial ryegrass	ZPS PR1		1998	1.18%
Paragon Perennial ryegrass	MML, TMI-MML		2001	0.88%
Partner Perennial ryegrass	Partner, MRF 43		2004	2.83%
Passerel Plus Annual ryegrass	Passerel Select, AAR-1		2001	98.83%
Passion Perennial ryegrass ²	Passion, RAD-PR9, PR9		2005	1.01%
Passport Perennial ryegrass	PST-2FF	Romeo	1996	1.06%
Patriot 3 Perennial ryegrass	Patriot 3		2002	2.10%
Patriot II Perennial ryegrass			1995	0.42%
Pavilion Perennial ryegrass	HMX-99-226, Pavilion, HMX 226		2003	0.20%
Pearl II Perennial ryegrass	EDP, Pearl II, EPD		2002	1.00%
Pearl Perennial ryegrass	CAS-EP20, EP20 DR		1998	1.86%
Pegasus Perennial ryegrass	WVPB-PR-A-5		1995	2.41%
Pennant II Perennial ryegrass	MB 42		1997	1.63%
Pennant Perennial ryegrass			1991	0.50%
Pentium Perennial ryegrass	NJ 6401		2004	0.86%

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Phantom Perennial ryegrass	A7 White, A7, 7311		1998	2.19%
PICK Lp Q-93 Perennial ryegrass ²	PICK Lp Q-93		1998	6.44%
Pinnacle II Perennial ryegrass	BAR Lp 9B-2, B-2, BAR 9 B2		2006	0.88%
Pleasure Perennial ryegrass	Syn Y		1992, 1998	4.09%
Pleasure XL Perennial ryegrass	Pick Lp I-93, Pleasure XL		2000	1.11%
PR 1-94 Perennial ryegrass	Pick PR 1-94		2003	0.95%
PR 8820 Perennial ryegrass	PR 8820/PR 9122	Essence	1995	0.79%
Prelude II Perennial ryegrass	Lofts 2P2		1993	2.25%
Prelude III Perennial ryegrass	LRF-94-B6, B-6, LRF-B6		1997	0.59%
Prelude IV Perennial ryegrass	A00, Prelude IV		2004	0.62%
Prelude Perennial ryegrass			1995	1.72%
Premier II Perennial ryegrass	BAR PRE II, BAR USA 94-II		2006	0.50%
Prizm Perennial ryegrass	ZPS-28D , 28D, PST-28D		1994	0.71%
Prospert Perennial ryegrass	AG-P981		2001	1.36%
Protocol II Perennial ryegrass ²	PR2, Smith PR2		2000	5.28%
Protocol Perennial ryegrass	WVPB-PR-93-3, Koos 93-3		1998	4.30%
Prowler Perennial ryegrass	APR777		2001	0.21%
PST-3BKM (Quickstart II) Perennial ryegrass ²	Quickstart II, PST-3BKM		2006	0.06%
Quartet Perennial ryegrass ²	Quartet, KLP947		2004	5.21%
Quebec Perennial ryegrass	Pick PR C-97		2005	1.14%
Quest II Perennial ryegrass ²	Quest II, ABT 4.721		2006	0.83%
Quick Trans Perennial ryegrass	PST-3BK		2002	0.11%
Quicksilver Perennial ryegrass	PST-2G1, Quicksilver		2004	6.86%
Quickstart Perennial ryegrass	2FQR		1991	0.18%
R2 Perennial ryegrass	ISI-R2, R2		1997	1.25%
Racer 2 Perennial ryegrass	Pick RC2	Pick RC2	2002	0.18%
Racer Perennial ryegrass	Pick Lp H-93		1999	1.23%
Radiant II Perennial ryegrass	APR1461, Radiant II		2004	0.80%
Ragnar II Perennial ryegrass ²	P201, Ragnar II		2006	4.20%
Ragnar Perennial ryegrass ²	P101, Ragnar		2006	6.28%
Refine Perennial ryegrass	PST-2RT, Refine		2005	0.45%
Regency Perennial ryegrass	75E		1991	0.99%
Repell II Perennial ryegrass	LDRD	Verdi	1993	1.56%
Repell III Perennial ryegrass	LRF-94-C7, C7, LRF-C7		1997	0.80%
Repell Perennial ryegrass			1992	0.33%
Reveille Perennial ryegrass			1991	2.00%
Rio Annual ryegrass ²	WVPB LM AR-42 (Rio)		1995	98.97%
Riviera II Perennial ryegrass	Pick DKM		1995	1.08%
Riviera Perennial ryegrass	PICK 647		1992	0.58%
Roadrunner Perennial ryegrass	PST-2ET		1997	2.53%
Rodeo II Perennial ryegrass			1995	2.47%

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Rosalin Perennial ryegrass	HE 411		1999	3.26%
Salinas Perennial ryegrass	PST-2SLX, Salinas		2003	0.85%
Saturn II Perennial ryegrass	PST-2ST		1998	0.85%
Sauvignon Perennial ryegrass	DPL 9603, Sauvignon		2006	1.28%
Secretariat Perennial ryegrass	RPBD		2002	1.49%
Seville II Perennial ryegrass	WX9-2000, Seville II		2002	1.33%
Seville Perennial ryegrass	PE8	Leonardo	1992	0.33%
Sherwood Perennial ryegrass	SRR		1996	1.08%
Shining Star Perennial ryegrass	PST-2B3		1994	0.10%
Showtime Perennial ryegrass	PST-2LA, Showtime		2005	2.98%
SkyHawk Perennial ryegrass	MP42, Sky Hawk, SkyHawk		2002	2.09%
Sol Perennial ryegrass	EP 53, EP53, Sol		2002	0.55%
Sonata Perennial ryegrass	PST-2R3, 2R3		1998	1.20%
Splendid Perennial ryegrass	MB 411, Splendid		2002, 2004	2.16%
SR 4100 Perennial ryegrass		Athena	1994	0.37%
SR 4200 Perennial ryegrass	SRDR		1994	0.34%
SR 4220 Perennial ryegrass	SRX 4801, SR 4220		2003	0.27%
SR 4420 Perennial ryegrass	SRX 4820, SR 4420		2003	0.28%
SR 4500 Perennial ryegrass	SRX NJPR, SRX 4NJPR, SRX 4500		2001	0.24%
Stallion Select Perennial ryegrass	WVPB 89-105		1994	2.37%
Stallion Supreme Perennial ryegrass	WVPB PR E-1, PSI-E-		1998	1.16%
Stardance Perennial ryegrass	PST-2FE		1996	1.90%
Statesman II Perennial ryegrass	SS 33 DS		1995, 1998	8.42%
Statesman Perennial ryegrass	WVPB 88-PR D-12		1993	1.27%
Stellar Perennial ryegrass	CIS-PR-72, PR 72, CIS-PR72, Stellar		2002	2.20%
Summerset Perennial ryegrass	MB 413, Summerset		2002, 2004	1.35%
Sunkissed Perennial ryegrass	4.834, 834, ABT-99-4.834, Sunkissed		2004	0.83%
Sunshine 2 Perennial ryegrass	PRG HS-01-08, Sunshine 2		2005	2.01%
Sunshine Perennial ryegrass	Pick Lp 102-92		1999	2.65%
Superstar Perennial ryegrass	EP57, Superstar		2002	3.46%
Surrey Annual ryegrass	Florida 1986 LR		1992	98.91%
TAM 90 Annual ryegrass	TX-R-85-2		1994	98.45%
Target Perennial ryegrass	TPR 88A	Libra	1991	3.28%
Terradyne Perennial ryegrass	BMX-99-225, Terradyne, ABT 4.960, 99-4.960		2003	0.18%
Tonga Perennial ryegrass			1996	11.53%
Top Gun Perennial ryegrass	J-1703, 93-1703		1999, 2001	1.15%
Top Hat Perennial ryegrass	ISI APR		1995	0.77%
Topeka Perennial ryegrass	WVPB 88-PR D-10		1993	2.34%
Tove Perennial ryegrass			1998	17.48%
Twister Perennial ryegrass	WVPB-PR-90-2, KOOS 90-2		1994	3.85%
Vail Perennial ryegrass	P22, LP22, Vail		2000	0.82%

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2. Experimental designation and/or variety.
3. Exempt from varietal fluorescence testing calculations.

Variety Fluorescence Levels Recognized by the
AOSCA National Grass Variety Review Board
As of Monday, August 28, 2006

Variety and Kind	Experimental Designation	OECD Synonym Name ¹	Year Approved	Variety Fluorescence Level
Vantage Perennial ryegrass	PR 862		1991	2.19%
Vibrant Perennial ryegrass ²	Lewis Seed PR#1, Lewis #1, WVPB-PR-Lewis #1, Vibrant		2000	4.30%
Vivid Perennial ryegrass	WX2-65		1998	1.24%
Vixen Perennial ryegrass	MRF 42, Vixen		2002	2.53%
Voyager Perennial ryegrass	Voyager		2004	4.03%
Whistler Perennial ryegrass	MP56, MP-56, Black Pearl, Whistler, LP56, EP56		2003	0.53%
Wilmington Perennial ryegrass	MB 48, Wilmington		2000	0.17%
Wind Dance Perennial ryegrass	MB 46		1998	1.17%
Wind Star Perennial ryegrass	PST 28M		1996	0.47%
Wizard Perennial ryegrass	MB-41	Sardinero	1995	2.57%
WVPB PR C-2 Perennial ryegrass ²	WVPB PR C-2, C-2		1998	8.65%
WVPB-PR-93-KFK (Spellbound) Perennial ryegrass ²	WVPB-93-KFK, WVPB-PR-93-KFK, WVPB-PR-KFK		1998	3.84%
WVPB-PR-Koos-95-9 (Breeze II) Perennial ryegrass ²	WVPB-PR-Koos-95-9, Koos 95-9, Breeze II		1999	6.85%
WVPB-PR-RS-2 Perennial ryegrass ²	WVPB-PR-RS-2, WVPB-RS-2, RS-II		1999	1.59%
WVPB-XB-2 Perennial ryegrass ²	WVPB-XB-2, SB-2		2000	26.71%
WVPB-XP-6 Perennial ryegrass ²	WVPB-XP-6, XP-6		2000	21.69%
Yorktown III Perennial ryegrass	LDRF		1993	1.42%

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