

Phirst Extra™ – Hybrid Alfalfa

- ✓ Extremely high yields
- ✓ Aggressive regrowth
- ✓ Finer stem diameter to reduce drying time
- ✓ Finer stem characteristic increases forage quality and digestibility
- ✓ Excellent durability and persistence

Best used for 2+ cut systems on good soil.



Coarse
Stem

Fine
Stem

[Agronomic Summary](#)

[Variety Trial Data](#)


MillbornSeeds
The Grass Seed Specialists®

Persist II™ – Conventional Alfalfa

- ✓ Forage leader of conventional alfalfa
- ✓ Great for both dairy and beef cow outfits
- ✓ Excellent disease resistance package
- ✓ Fast harvest recovery
- ✓ Excellent durability and persistence

Best used for 2+ cut systems on good soil.



[Agronomic Summary](#)

[Variety Trial Data](#)

The logo for MillbornSeeds, featuring a stylized white plant with three leaves above the text. The text "MillbornSeeds" is in a large, white, sans-serif font, with "Millborn" and "Seeds" on the same line. Below it, the tagline "The Grass Seed Specialists®" is written in a smaller, white, sans-serif font.

MillbornSeeds
The Grass Seed Specialists®

WL 355.RR – Roundup Ready Alfalfa



- ✓ Superior crop safety with the Roundup Ready® system provides increased yield potential in both the establishment and subsequent years.
- ✓ Very winterhardy (WH=1.8); WL 355.RR delivers long stand life even under the toughest weather conditions.
- ✓ Flexibility in timing of application allows growers utilizing the Roundup Ready® system in alfalfa the ability to spray when necessary; no crop rotation restrictions.

Best used for fields where weed control during establishment has historically been difficult.

[Agronomic Summary](#)



MillbornSeeds
The Grass Seed Specialists®

Prolific II – High Moisture Tolerant

- ✓ Tolerates high moisture soils
- ✓ Exceptional yield potential in wet or normal soil conditions
- ✓ Branched root genetics that responds to soil moisture conditions
- ✓ Exceptional disease resistance package

Best used in areas with exceptionally wet soils, high alkalinity, low to moderate salinity.



[*Agronomic Summary*](#)

[*Variety Trial Data*](#)


MillbornSeeds
The Grass Seed Specialists®

SalinityMax™ – Salt Tolerant Alfalfa

- ✓ Selected out of saline seep soils in the Dakotas
- ✓ Exception yield in high salt concentration soils
- ✓ Tolerates high moisture soils and high alkalinity
- ✓ Excellent disease, nematode, and insect package

Best used in areas where soil salts have been pushed to the surface and in high moisture soils.



[Agronomic Summary](#)


MillbornSeeds
The Grass Seed Specialists®

PasturePlus™ – Grazing Tolerant Alfalfa

- ✓ High yielding
- ✓ Branched root technology
- ✓ Grazing resistant
- ✓ Adapted to poorly drained soils
- ✓ Excellent companion to pastures grasses and higher yielding tap-rooted alfalfa's

Best used in pasture situations where grazing occurs; in combination with grass; and in areas with poorly drained soil



[Agronomic Summary](#)


MillbornSeeds
The Grass Seed Specialists®

SurvivorPlus™ – Irregular Soil Alfalfa

- ✓ Mix of alfalfa varieties to spread out yield, disease, insect, and nematode risk due to irregular soil fertility and management history
- ✓ Excellent yield
- ✓ Excellent durability and persistence
- ✓ Excellent disease, insect, and nematode package

Best used for areas that have irregular soil.




MillbornSeeds
The Grass Seed Specialists®

Yellow-Flower Falcata – Upland Range Alfalfa

- ✓ Yellow-flowered strain
- ✓ Major seed source in NW South Dakota
- ✓ Excellent winter hardiness
- ✓ Excellent drought hardiness
- ✓ Excellent companion for grasses



Best used for upland range in semi-arid areas.

South Dakota Common – Alfalfa

- ✓ Seed harvested in South Dakota
- ✓ Variable yield performance
- ✓ Excellent drought resistance
- ✓ Excellent durability and persistence

Best used for land reclamation projects and soil stability.




MillbornSeeds
The Grass Seed Specialists®

Vernal – Old-School Alfalfa

- ✓ Original alfalfa genetics
- ✓ Lower yields
- ✓ Variable disease, insect, and nematode resistance
- ✓ Relatively drought resistant

Best used for soil stability projects and really poor soil



PasturePlus™ - Grazing Tolerant Alfalfa

Agronomic Summary

• Bacterial Wilt	HR
• Fusarium Wilt	HR
• Phytophthora Root Rot	HR
• Verticillium Wilt	HR
• Anthracnose (Race 1)	HR
• Aphanomyces Root Rot	HR
• Aphanomyces Root Rot (Race 2)	R
• Stem Nematode	R
• Northern root-knot nematode	R
• Spotted Alfalfa Aphid	R
• Pea Aphid	R
• Root Type	Branch
• Winter Survival Index	1.7
• Fall Dormancy	3.8
• DRI	30
• DRI (including Aph. Race 2)	34
• Cutting recovery	7.8*
• Forage Yield Level	8.0*
• Forage Quality	7.8*
• Wheel Traffic	8.3*

*10 is best



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MillbornSeeds
The Grass Seed Specialists®

Persist II – Conventional Alfalfa

Agronomic Traits

Disease

• Bacterial Wilt	HR
• Fusarium Wilt	HR
• Phytophthora Root Rot	HR
• Verticillium Wilt	HR
• Anthracnose (Race 1)	HR
• Aphanomyces Root Rot (Race 1)	HR
• DRI	30

Nematodes and Insects

• Stem Nematode	HR
• Northern root-knot nematode	HR
• Southern root-knot nematode	R
• Pea Aphid	HR

Agronomic Traits

• Fall Dormancy	4.0
• Winter Survival	1.8
• Root Type	Tap
• Crown Depth	Average
• Cutting Recovery	9.0*
• Yield Level	9.2*
• Wheel Traffic	8.9*
• Forage Quality	9.1*

*: 1-10, 10 is best



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Persist II Alfalfa

Forage Yield Performance

University Forage Yield Trials

<u>Location</u>	<u>Year</u>	<u>Performance</u>
Chazy, NY	2008-09	1 st out of 18**
Rock Springs, PA	2008-09	1 st out of 18**
Rock Springs, PA	2007-09	1 st out of 28**
Chippewa Falls, WI	2007-09	2 nd out of 25*
Ithaca, NY	2008-09	3 rd out of 27*
Landisville, PA	2008-09	4 th out of 20*
Lamberton, MN	2007-09	5 th out of 15*



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Phirst Extra Hybrid Alfalfa

Agronomic Traits

Disease

• Bacterial Wilt	HR
• Fusarium Wilt	HR
• Phytophthora Root Rot	HR
• Verticillium Wilt	HR
• Anthracnose (Race 1)	HR
• Aphanomyces Root Rot (Race 1)	HR
• DRI	30

Nematode

• Stem Nematode	HR
• Northern Root knot-Nematode	HR

Agronomic Traits

• Winter Survival	1.6
• Fall Dormancy	4.0
• Root Type	Tap
• Crown Depth	Average
• Early Season Growth	Excellent
• Drought Stress	Excellent
• Growth Habit	Upright
• Fineness of Stem	Very Fine
• Recovery after Cutting	9.3*
• Yield Level	9.5*
• Wheel Traffic Tolerance	9.0*
• Forage Quality	9.1*

*: 1-10, 10 is best



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Phirst Extra Hybrid Alfalfa

Variety Trial Data

University Forage Yield Trials

<u>Location</u>	<u>Year</u>	<u>Performance</u>
Arlington, WI	2008-09	1 st out of 35
Rosemount, MN	2008-09	1 st out of 22



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Prolific II – High Moisture Tolerant Alfalfa

Agronomic Summary

Disease

- Bacterial Wilt HR
- Fusarium Wilt HR
- Phytophthora Root Rot HR
- Verticillium Wilt HR
- Anthracnose (Race 1) HR
- Aphanomyces Root Rot (Race 1) HR
- Aphanomyces Root Rot (Race 2) R
- DRI 30/30
- DRI (Including Aph. Race 2) 34/35

Agronomic Traits

- Fall Dormancy 3.8
- Winter Survival Index 1.6
- Root Type Branch
- Crown Depth Average
- Recovery after Cutting 9.0*
- Yield Level 9.0*
- Wheel Traffic Tolerance 9.2*
- Forage Quality 8.9*

*: 1-10, 10 is best



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Prolific II – High Moisture Tolerant Alfalfa

Variety Trial Data

University Forage Yield Trials

<u>Location</u>	<u>Year</u>	<u>Performance</u>
Marshfield, WI	2008-09	1 st out of 20**
Fond du Lac, WI	2008	1 st out of 19**
Otter Tail Co., MN	2008-09	1 st out of 16**
Ithaca, NY	2008-09	5 th out of 27*

** : First place finish, * : Equal to first place finish



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SalinityMax™ – Salt Tolerant Alfalfa

Agronomic Traits

- Bacterial Wilt HR
- Phytophthora Root Rot HR
- Fusarium Wilt HR
- Verticillium Wilt HR
- Anthracnose (Race 1) R
- Aphanomyces Root Rot (Race 1) R
- Pea Aphid R
- Northern Root knot Nematode HR
- Stem Nematode R
- Winter Survival 1.8
- Fall Dormancy 3.8
- DRI 28
- Root Type 30% Tap
70% Branch



[Back to SalinityMax](#)

WL 355.RR – Roundup Ready Alfalfa

Agronomic Summary

• Maturity	Early
• Fall Dormancy	4.0
• Winterhardiness	1.8
• Forage Yield	Very High
• Digestibility/Feed Value	Superior
• Persistence Index	Very High
• Disease Resistance Index	30/30
• Recovery After Harvest	Very Fast
• Traffic Tolerance	Very Good
• Standability	Excellent
• Multileaf Expression	Very High (72%)

Pest Resistance Traits

• Bacterial Wilt	HR (88%)
• Fusarium Wilt	HR (77%)
• Anthracnose	HR (56%)
• Phytophthora Root Rot	HR (55%)
• Aphanomyces Root Rot	HR (54%)
• Verticillium Wilt	HR (56%)
• Leaf Disease	R-HR
• Pea Aphid	R
• Spotted Alfalfa Aphid	HR
• Stem Nematode	R
• Disease Resistance Index	30/30

HR = High Resistance
R = Resistant



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