



Spring 2021 - ALFALFA Product Guide

by Thomas Ag Services, LLC.

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QUALITY FORAGE

INNOVATION



AWS 455 Salt Alfalfa

- ❑ AWS 455 Salt is a salt tolerant alfalfa. It is productive in both saline and highly productive soils. It also has outstanding drought tolerance. AWS 455 Salt is protected by a broad base of disease resistance.

Features:

- ✓ Salt tolerance
- ✓ Good forage yields in both saline and highly productive soils
- ✓ Solid disease resistance package

Agronomic Characteristics:

- Bacterial Wilt HR
- Fusarium Wilt HR
- Verticillium Wilt HR
- Anthracnose HR
- Phytophthora Root Rot HR
- Aphanomyces Root Rot (Race 1) HR
- DRI 30/30
- Fall Dormancy 4.0
- Winter Survival 1.5
- Saline Soils Tolerant
- Recovery after harvest Average
- Crown placement Average
- Root type Tap
- Forage yield Very Good
- Forage quality Very Good



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AWS 418RL Alfalfa

- AWS 418RL was selected for herbage quality which delivers outstanding forage quality scores. With these high-quality attributes, AWS 418RL allows growers to extend their harvests 28-35 days. Along with outstanding forage quality, it delivers an excellent yield potential.



Features:

- ✓ High RFQ, NDFd forage quality scores
- ✓ Extend harvest to 35 days
- ✓ Delivers an excellent yield potential
- ✓ RL = Reduced Lignin for improve Dairy Quality

Agronomic Characteristics:

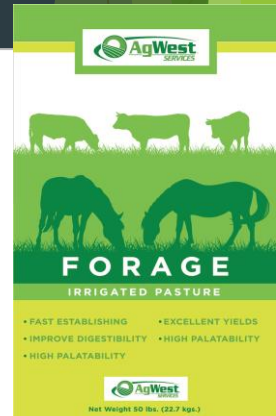
- Bacterial Wilt HR
- Fusarium Wilt HR
- Verticillium Wilt HR Anthracnose HR
- Phytophthora Root Rot HR
- Aphanomyces Root Rot (Race 1) HR
- DRI 30/30
- Fall Dormancy 4.0
- Winter Survival 1.8
- Recovery after harvest Fast
- Crown placement Average
- Multi-leaf 60%
- Root type Tap
- Forage yield Excellent
- Forage quality Excellent

EVANSVILLE, WI - 2015 2016 Results

| Variety | 30 hr NDFD | 4 cut Yield | Lignin | uNDF | TTNDFD | RFQ | M/A |
|---------------|------------|-------------|--------|-------|--------|-----|--------|
| AWS 418RL | 42.16 | 6.74 | 6.06 | 15.14 | 41.21 | 163 | 22,534 |
| Hi-Gest 360 | 41.90 | 6.31 | 5.98 | 15.43 | 40.95 | 151 | 20,602 |
| Rebound 6.0 | 38.40 | 6.49 | 6.40 | 15.78 | 40.60 | 155 | 21,397 |
| Pioneer 55Q27 | 38.70 | 6.47 | 6.50 | 17.00 | 39.58 | 147 | 20,885 |
| Hybriforce | 41.13 | 6.32 | 6.43 | 16.25 | 40.20 | 146 | 20,466 |
| WL 365HQ | 41.73 | 6.55 | 6.30 | 15.90 | 40.55 | 148 | 21,173 |
| Comp Ave | 39.99 | 6.46 | 6.41 | 16.23 | 40.23 | 149 | 20,905 |

20 varieties in Trial- All Competitors Varieties listed
 Forage Quality Testing done @ Rock River Laboratory, Inc. © LSLLC 2016

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Roundup Ready Alfalfa

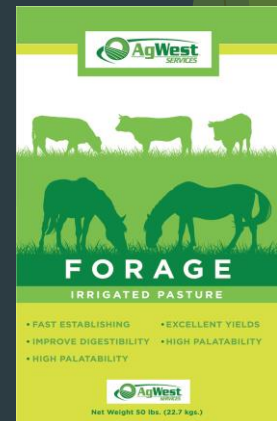
- L-442RR is a high forage yielding, excellent quality, Roundup Ready® alfalfa. It has a solid pest resistance package to protect in a wide range of growing conditions. The Roundup Ready technology provides a wide range of weed control options to deliver weed free forage.

Features:

- ✓ Roundup Ready® technology
- ✓ Exceptionally high forage yield and quality potential
- ✓ High Resistance to Aphanomyces Root Rot Race 2

Agronomic Characteristics:

- Bacterial Wilt HR
- Fusarium Wilt HR
- Verticillium Wilt HR
- Anthracnose (Race 1) HR
- Phytophthora Root Rot HR
- Aphanomyces Root Rot (Race 1) HR
- Aphanomyces Root Rot (Race 2) HR
- Pea Aphid R Spotted Alfalfa Aphid R
- Stem nematode R
- DRI 35/35
- Fall Dormancy 4.4
- WSI Rating 1.3
- Recovery after cutting Very Fast
- Root Type Tap
- Multi-foliolate Expression High
- Forage Yield Potential Excellent
- Forage Quality Excellent



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Bison Alfalfa

Brand

- ❑ **Bison Brand Alfalfa** is recommended by hay growers from central Utah and eastern Nevada. Bison is known among growers to have a long stand life and consistently good yields.

Features:

- ✓ Excellent winter hardiness
- ✓ Long Stand life
- ✓ Good yield potential
- ✓ Tolerant to saline soils

Agronomic Characteristics:

- Bacterial Wilt R
- Fusarium Wilt R
- Verticillium Wilt R
- Anthracnose R
- Phytophthora Root Rot R
- Aphanomyces Root Rot (Race 1) R
- Fall Dormancy 3-4
- Winter Survival 1.9



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AWS 608 Alfalfa

- AWS 608 is an aggressive, high forage yielding, fall dormancy 6 alfalfa. AWS 608 is spring frost tolerant and will persist in the dormant growing regions. It expressed outstanding salt tolerance in a University of Arizona forage yield study

Features:

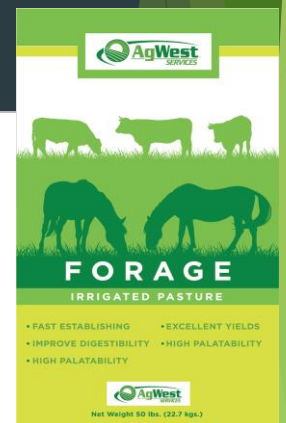
- ✓ Full season fall dormancy 6
- ✓ High forage yield potential
- ✓ Salt tolerance



Agronomic Characteristics:

- Bacterial Wilt HR
- Fusarium Wilt HR
- Verticillium Wilt HR
- Anthracnose HR
- Phytophthora Root Rot HR
- Aphanomyces Root Rot (Race 1) HR
- Aphanomyces Root Rot (Race 2) HR
- Stem Nematode MR
- DRI 35/35
- Fall Dormancy 6.0
- Winter Survival 2.1
- Multi-foliolate Low Saline Soils
- Tolerant Recovery after harvest Fast
- Crown placement Average
- Root type Tap
- Forage yield Excellent

| Waupaca, Wisconsin Entry | 2018 | 2018-2019 | Results / Seeded May 17, 2018 / 4 Replications |
|--------------------------|------|-----------|--|
| | 2018 | 2019 | Total |
| AWS 608 | 3.12 | 7.78 | 10.90 |
| Hi-Gest® 360 | 3.07 | 7.16 | 10.23 |
| Hybriforce 3400 | 3.14 | 7.09 | 10.23 |
| L-450RR | 2.91 | 7.32 | 10.23 |
| 55Q27 | 2.89 | 7.04 | 9.93 |
| Legendairy XHD | 2.99 | 6.70 | 9.68 |
| Megatron HarvXtra® | 2.66 | 7.00 | 9.66 |
| Mean | 3.04 | 7.61 | 10.65 |
| LSD (0.05) | 0.32 | 0.59 | |
| LSD (0.01) | NS | 0.78 | |
| CV% | 6.48 | 5.46 | |



24 entries in trial - All Competitor's varieties shown / Hi-Gest® is a Registered Trademark of Dow Agrosiences, LLC / HarvXtra® variety tested was L-448HVXRR Megatron is a HarvXtra® product. HarvXtra® is a registered trademark of Forage Genetics International, LLC. / Roundup Ready® is a registered trademark of Monsanto Technology LLC, used under license by Forage Genetics LLC

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AWS 835 Alfalfa

- ❑ AWS 835 is an aggressive, high forage yielding, fall dormancy 8 alfalfa. AWS 835 is performing well in California and Arizona. It expressed outstanding forage yields and performs well in saline soils.

Features:

- ✓ Full season fall dormancy 8
- ✓ High forage yield potential
- ✓ Salt tolerance

Agronomic Characteristics:

- Bacterial Wilt HR
- Fusarium Wilt HR
- Verticillium Wilt HR
- Anthracnose HR
- Phytophthora Root Rot HR
- Aphanomyces Root Rot (Race 1) HR
- Aphanomyces Root Rot (Race 2) HR
- Stem Nematode MR
- DRI 34/35
- Fall Dormancy 8.0
- Winter Survival 2.5
- Multi-foliolate Low Saline Soils
- Tolerant Recovery after harvest Fast
- Crown placement Average
- Root type Tap
- Forage yield Excellent



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