

— 2024 —

SEED GUIDE

IN SEED WE TRUST



EARNING YOUR TRUST ONE SEED AT A TIME

Meridian Seeds started in 2002 when 12 North Dakota farmers joined forces to find and share the best seeds available, without being tied to just one breeding program or limited by storage or capital constraints. Since then, our grower-owned company has expanded to meet the needs of farmers across the country – cultivating partnerships with elite breeders worldwide to bring you varieties backed by solid performance and proven yield potential.

You're in it for the long haul, and so are we. Choosing high-quality seeds you can trust is the most important decision you can make. We're here to earn your trust and help you succeed.



WE'RE HERE TO HELP

GET TO KNOW OUR DEDICATED TEAM, THEN GET IN TOUCH

📞 866-282-SEED ✉️ [INFO@MERIDIANSEEDS.COM](mailto:info@meridianseeds.com) 🌐 [MERIDIANSEEDS.COM](https://meridianseeds.com)

CONTENTS

PULSE CROPS

- 4 YELLOW FIELD PEA SEED
- 7 KABULI CHICKPEA SEED

EDIBLE BEAN SEED

- 10 CRANBERRY BEAN SEED
- 12 DARK RED KIDNEY BEAN SEED
- 13 LIGHT RED KIDNEY BEAN SEED
- 14 PINTO BEAN SEED
- 15 BLACK BEAN SEED
- 15 NAVY BEAN SEED

OILSEED

- 16 CANOLA SEED
- 20 FLAX SEED

CEREAL SEED

- 22 HARD RED SPRING WHEAT SEED
- 25 HARD RED WINTER WHEAT SEED
- 27 BARLEY SEED
- 28 OAT SEED

29 COVER & FORAGE CROPS

30 GRASS SEED, INOCULANTS, & SEED TREATMENTS

30 CONTACT MERIDIAN SEEDS

31 FIND A SEED SUPPLIER

DISCOVER THE MERIDIAN SEEDS ADVANTAGE

Visit MeridianSeeds.com for more information on our premium seed varieties. We are constantly adding new and elite genetics to our portfolio.

JOIN OUR DEALER NETWORK

We have openings for growers who would like to join our expanding network of seed producers and retailers. If you're dedicated to the best of the best in seeds, we'd love to hear from you.

YELLOW FIELD PEA SEED

Trust isn't given, it's earned. Our wide selection of yellow pea varieties have the yield and protein balance that fits any market, coupled with the agronomic performance that growers have come to count on, year in and year out. Talk to your local Meridian Seeds associate about selecting the right variety for your farm. We want to earn your trust.

Yield-Protein Relationship

| High Protein | Balanced | | High Yield |
|---------------------------------------|------------------------------------|--------------------------------------|---------------------------------------|
| | Protein Emphasis | Yield Emphasis | |
| MS GROWPRO LG STUNNER SALAMANCA | CDC SPECTRUM CP5222Y KORANDO | CDC INCA AAC PROFIT DS ADMIRAL | AAC CARVER AAC ASHER AAC CHROME |

YELLOW FIELD PEA

AAC CARVER

MERIDIAN SEEDS EXCLUSIVE | PVP

The go-to variety for high yield. Widely-adapted pea that matures early and stands through harvest.

Agronomic Profile

| | AAC Carver |
|---------------------|------------|
| Days to Flower | 61 |
| Canopy Height (in)* | 22.1 |
| Test Weight (lb/bu) | 61.4 |
| Grain Yield (bu/ac) | 38.3 |
| Protein (%) | 23.6 |

Yield (bu/ac)

| | | |
|------|------------|------|
| 38.3 | AAC Carver | 23.6 |
| 36.8 | Salamanca | 25.0 |
| 30.4 | AAC Profit | 26.8 |
| 29.9 | DL Apollo | 27.8 |
| 35.1 | Trial Mean | 25.8 |

Disease Package

| Powdery Mildew | Fusarium Wilt | Ascochyta (Mycosphaella) |
|----------------|---------------|--------------------------|
| R | I | MS |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Carver data source: 2022 Montana Cool-Season Spring Pulse Variety Annual Report Tables 5-8, Havre, ND.

*Height to top of canopy at harvest.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

YELLOW FIELD PEA

CDC INCA

MERIDIAN SEEDS EXCLUSIVE | PVP

The variety of the future. High yield without sacrificing protein. Processor-approved with great agronomics.

Agronomic Profile

| | CDC Inca |
|---------------------|----------|
| Days to Flower | 56 |
| Canopy Height (in)* | 30.0 |
| Test Weight (lb/bu) | 68.0 |
| Grain Yield (bu/ac) | 50.2 |
| Protein (%) | 25.6 |

Yield (bu/ac)

| | | |
|------|------------|------|
| 50.2 | CDC Inca | 25.6 |
| 48.8 | DS Admiral | 25.1 |
| 43.9 | Salamanca | 27.4 |
| 43.1 | CP5222Y | 26.2 |
| 43.3 | Trial Mean | 25.8 |

Disease Package

| Powdery Mildew | Fusarium Wilt | Ascochyta (Mycosphaella) |
|----------------|---------------|--------------------------|
| R | MR | MS |

YELLOW FIELD PEA

CDC SPECTRUM

MERIDIAN SEEDS EXCLUSIVE | PVP

Competitive yield with a protein emphasis. Widely adapted with excellent standability and disease package.

Agronomic Profile

| | CDC Spectrum |
|---------------------|--------------|
| Days to Flower | 56 |
| Canopy Height (in)* | 28.0 |
| Test Weight (lb/bu) | 67.0 |
| Grain Yield (bu/ac) | 47.8 |
| Protein (%) | 25.8 |

Yield (bu/ac)

| | | |
|------|--------------|------|
| 47.8 | CDC Spectrum | 25.8 |
| 48.8 | DS Admiral | 25.1 |
| 43.9 | Salamanca | 27.4 |
| 43.1 | CP5222Y | 26.2 |
| 43.3 | Trial Mean | 25.8 |

Disease Package

| Powdery Mildew | Fusarium Wilt | Ascochyta (Mycosphaella) |
|----------------|---------------|--------------------------|
| R | I | MS |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Inca and CDC Spectrum data source: 2022 NDSU Extension Bulletin A14-69-22, Table 5, Minot, ND.

*Height to top of canopy at harvest.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

YELLOW FIELD PEA

MS GROWPRO

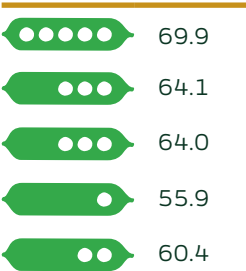
MERIDIAN SEEDS EXCLUSIVE | PVP

NEW! Meet the unicorn of yellow field peas. MS GrowPro boasts both high protein AND high yield.

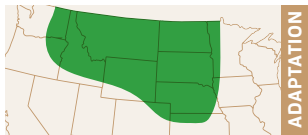
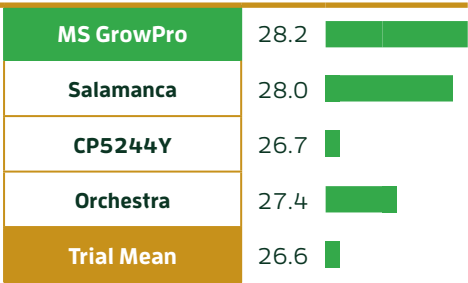
Agronomic Profile

| | MS GrowPro |
|---------------------|------------|
| Days to Flower | 48 |
| Canopy Height (in)* | 24.0 |
| Test Weight (lb/bu) | 64.0 |
| Grain Yield (bu/ac) | 69.9 |
| Protein (%) | 28.2 |

Yield (bu/ac)



Protein (%)



Disease Package

| Powdery Mildew | Fusarium Wilt | Ascochyta (Mycosphaella) |
|----------------|---------------|--------------------------|
| S | R | S |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

MS GrowPro data source: 2022 NDSU Extension Bulletin A14-69-22, Table 4, Minot, ND.
*Height to top of canopy at harvest.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

KABULI CHICKPEA SEED



If you're growing chickpeas, chances are you know our varieties. Meridian Seeds carries a blockbuster lineup of kabuli chickpea varieties that have strong yields, desirable seed quality characteristics, and improved Ascochyta resistance. CDC Orion and CDC Frontier are known throughout the industry for their quality and yield. CDC Leader leads the way in Ascochyta resistance. CDC Palmer features the unprecedented combination of excellent yield and large seed size. Our newest variety, New Hope, features a bright white seed coat and enhanced resistance to Ascochyta blight. You already know our varieties, get to know Meridian Seeds. We're the chickpea experts.

KABULI CHICKPEA

CDC FRONTIER

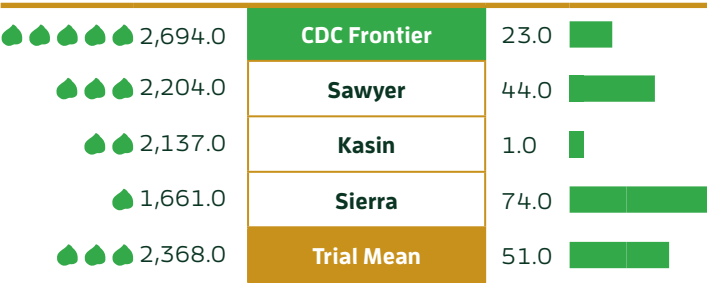
MERIDIAN SEEDS EXCLUSIVE | PVP

A small kabuli that packs big yields – a new frontier in productivity! Features improved Ascochyta resistance.

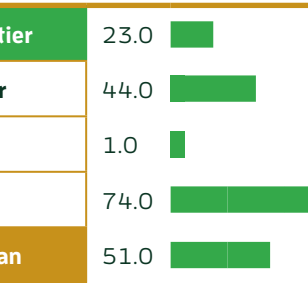
Agronomic Profile

| | CDC Frontier |
|----------------------|--------------|
| Days to Flower (DAP) | 59 |
| Canopy Height (cm) | 21 |
| Seeds/Pound | 1,392 |
| RMA, Northern Plains | Small |
| RMA, PNW | Small |

Yield (lb/ac)



% > 22/64 in (9 mm)



Disease Package

| Ascochyta Rating | Ascochyta Incidence (%) | Ascochyta Severity (%) |
|------------------|-------------------------|------------------------|
| I | 100 | 28 |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Frontier data source: 2022 NDSU Hettinger Chickpea Variety Trial.
Ascochyta incidence and severity data source: 2019 Montana Cool-Season Spring Pulse Variety Evaluation Annual Report.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

KABULI CHICKPEA

CDC LEADER

MERIDIAN SEEDS EXCLUSIVE | PVP

Leading the pack with excellent yields, large size, improved Ascochyta resistance, and earlier maturity.

Agronomic Profile

| | CDC Leader |
|----------------------|----------------|
| Days to Flower (DAP) | 61 |
| Canopy Height (cm) | 32 |
| Test Weight (lb/bu) | 60.1 |
| RMA, Northern Plains | Not Classified |
| RMA, PNW | Not Classified |

Yield (lb/ac)



% > 22/64 in (9 mm)

| | CDC Leader | |
|------------|------------|--|
| | 28.0 | |
| Kasin | 1.0 | |
| Sawyer | 24.0 | |
| Sierra | 50.0 | |
| Trial Mean | 26.0 | |

Disease Package

| Ascochyta Rating | Ascochyta Incidence (%) | Ascochyta Severity (%) |
|------------------|-------------------------|------------------------|
| I | 63 | 3 |

KABULI CHICKPEA

CDC ORION

MERIDIAN SEEDS EXCLUSIVE | PVP

Navigate to higher yields! CDC Orion is known worldwide for its large seed size and excellent quality.

Agronomic Profile

| | CDC Orion |
|----------------------|-----------|
| Days to Flower (DAP) | 59 |
| Canopy Height (cm) | 34 |
| Test Weight (lb/bu) | 59.2 |
| RMA, Northern Plains | Large |
| RMA, PNW | Large |

Yield (lb/ac)



% > 22/64 in (9 mm)

| | CDC Orion | |
|------------|-----------|--|
| | 46.0 | |
| ND Crown | 34.0 | |
| Sawyer | 24.0 | |
| Sierra | 50.0 | |
| Trial Mean | 26.0 | |

Disease Package

| Ascochyta Rating | Ascochyta Incidence (%) | Ascochyta Severity (%) |
|------------------|-------------------------|------------------------|
| I | 100 | 15 |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Leader and CDC Orion data source: 2022 Montana Cool-Season Spring Pulse Variety Annual Report, Tables 16-18.
Ascochyta incidence and severity data source: 2019 Montana Cool-Season Spring Pulse Variety Evaluation Annual Report.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.



KABULI CHICKPEA

CDC PALMER

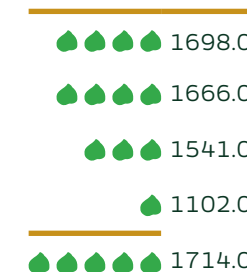
MERIDIAN SEEDS EXCLUSIVE | PVP

A large kabuli with large yields! Improved Ascochyta resistance and slightly earlier maturity than CDC Orion.

Agronomic Profile

| | CDC Palmer |
|----------------------|------------|
| Days to Flower (DAP) | 50 |
| Canopy Height (cm) | 35 |
| Test Weight (lb/bu) | 60.2 |
| RMA, Northern Plains | Large |
| RMA, PNW | Large |

Yield (lb/ac)



% > 22/64 in (9 mm)

| | CDC Palmer | |
|------------|------------|--|
| | 18.0 | |
| ND Crown | 34.0 | |
| Sawyer | 24.0 | |
| Sierra | 50.0 | |
| Trial Mean | 26.0 | |

Disease Package

| Ascochyta Rating |
|------------------|
| I |

KABULI CHICKPEA

NEW HOPE

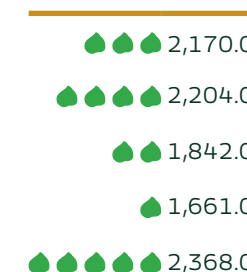
MERIDIAN SEEDS EXCLUSIVE | PVP

New genetics. Bright white seed coat, large size, lodging resistance, and enhanced Ascochyta resistance.

Agronomic Profile

| | New Hope |
|----------------------|----------------|
| Days to Flower (DAP) | 58 |
| Canopy Height (cm) | 24 |
| Seeds/Pound | 1,128 |
| RMA, Northern Plains | Large |
| RMA, PNW | Not Classified |

Yield (lb/ac)



% > 22/64 in (9 mm)

| | New Hope | |
|------------|----------|--|
| | 65.0 | |
| Sawyer | 44.0 | |
| Nash | 63.0 | |
| Sierra | 74.0 | |
| Trial Mean | 51.0 | |

Disease Package

| Ascochyta Rating |
|------------------|
| MR |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Palmer data source: 2022 Montana Cool-Season Spring Pulse Variety Evaluation Annual Report, Tables 16-18.
New Hope data source: 2022 NDSU Hettinger Chickpea Variety Trial.
New Hope Ascochyta data source: Registration of 'New Hope' Chickpea Cultivar with Enhanced Resistance to Ascochyta Blight.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.



EDIBLE BEAN SEED



Growing beans successfully starts with the right seed. You can count on Meridian Seeds to have the right edible bean seed for your farm. Our varieties feature high yields, superior disease packages, and excellent quality characteristics that you have come to expect from Meridian Seeds. Start on the path to success, start with Meridian Seeds.

CRANBERRY BEAN

AAC SCOTTY

MERIDIAN SEEDS EXCLUSIVE | PVP

Strong yield performance in the U.S. and Canada with anthracnose resistance and large seed size.

Agronomic Profile

| | Scotty | Vero | Jester |
|--------------------------|--------|------|---------------|
| Days to Maturity | 96 | 88 | 100 |
| Plant Type | Bush | Bush | Not Available |
| Direct Harvest | Yes | Yes | Yes |
| White Mold Infection (%) | 57 | 85 | 78 |
| Canning Score* | 2.1 | 1.8 | 1.3 |

Disease Package

| Anthracnose (race 73) | Anthracnose (race 105) | Bean Common Mosaic Virus (BCMV) |
|-----------------------|------------------------|---------------------------------|
| R | R | R |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Scotty data sources: 2022 Michigan Dry Bean Research Report, Table 8, and 2021 Michigan Dry Bean Canning Results, Table 10.
*1-5 Canning Quality Scale: 1 = best canning quality, 5 = worst canning quality.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.



CRANBERRY BEAN

AMARANTO

SEMINIS | PATENTED

One of the newest Seminis cranberry beans. Competitive yield, excellent seed color, suited for direct harvest.

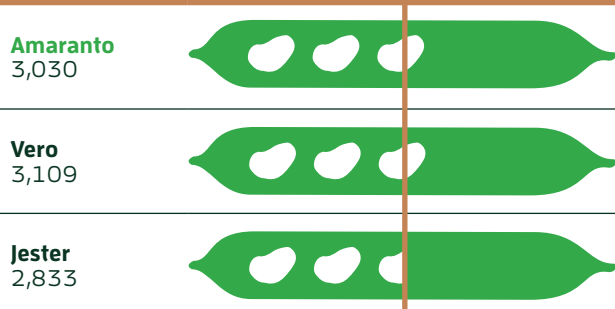
Agronomic Profile

| | Amaranto | Vero | Jester |
|--------------------------|---------------|------|---------------|
| Days to Maturity | 87 | 88 | 100 |
| Plant Type | Upright, Vine | Bush | Not Available |
| Direct Harvest | Yes | Yes | Yes |
| White Mold Infection (%) | 71 | 85 | 78 |
| Canning Score* | 2.1 | 1.8 | 1.3 |

Disease Package

| Bean Common Mosaic Virus (BCMV) |
|---------------------------------|
| R |

Yield (lb/ac)



CRANBERRY BEAN

ETNA

SEMINIS

The standard for cranberry beans. Proven high yield potential, large seed size, and early maturity.

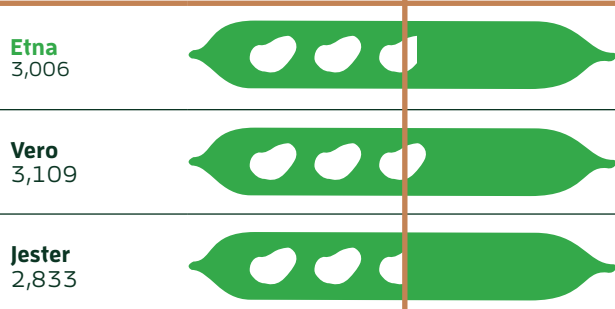
Agronomic Profile

| | Etna | Vero | Jester |
|--------------------------|------|------|---------------|
| Days to Maturity | 91 | 88 | 100 |
| Plant Type | Bush | Bush | Not Available |
| Direct Harvest | Yes | Yes | Yes |
| White Mold Infection (%) | 83 | 85 | 78 |
| Canning Score* | 1.4 | 1.8 | 1.3 |

Disease Package

| Bean Common Mosaic Virus (BCMV) |
|---------------------------------|
| R |

Yield (lb/ac)



VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

Amaranto and Etna data sources: 2022 Michigan Dry Bean Research Report, Table 8, and 2021 Michigan Dry Bean Canning Results, Table 10.
*1-5 Canning Quality Scale: 1 = best canning quality, 5 = worst canning quality.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

DARK RED KIDNEY BEAN

CABERNET

SEMINIS | PVP

Medium-early with excellent canning quality and resistance to BCMV. Bush plant ideal for direct harvest.

Agronomic Profile

| | Cabernet | Montcalm | Redhawk |
|------------------|----------|----------|---------|
| Seeds/Pound | 1,029 | 969 | 1,012 |
| Days to Maturity | 100 | 106 | 97 |
| Plant Type | Bush | Bush | Bush |
| Direct Harvest | Yes | Yes | Yes |

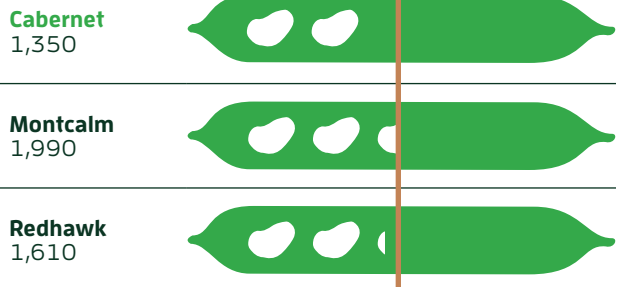
Disease Package

| Bean Common Mosaic Virus (BCMV) |
|---------------------------------|
| R |



Yield (lb/ac)

Trial Mean: 2,075



DARK RED KIDNEY BEAN

RED ROVER

SEMINIS | PVP

Good fit for irrigated growers looking for resistance to Aphanomyces root rot. Erect bush type growth.

Agronomic Profile

| | Red Rover | Montcalm | Redhawk |
|------------------|-----------|----------|---------|
| Seeds/Pound | 949 | 1,050 | 1,096 |
| Days to Maturity | 88 | 94 | 85 |
| Plant Type | Bush | Bush | Bush |
| Direct Harvest | Yes | Yes | Yes |

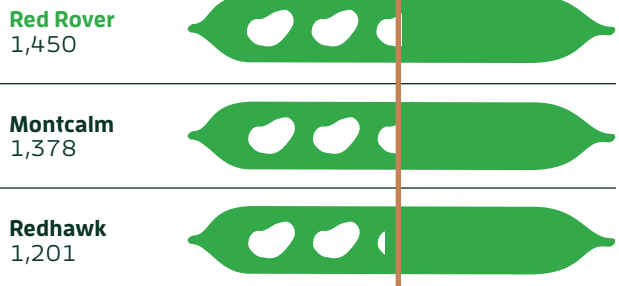
Disease Package

| Aphanomyces Root Rot | Bean Common Mosaic Virus (BCMV) |
|----------------------|---------------------------------|
| R | R |



Yield (lb/ac)

Trial Mean: 1,490



VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

Cabernet data source: 2017 NDSU Extension Bulletin A654-17, Table 13, Perham, MN.
Red Rover data source: 2021 NDSU Extension Bulletin A654-21, Table 5, Perham, MN.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

LIGHT RED KIDNEY BEAN

CLOUSEAU

SEMINIS | PVP | PATENTED

Adapted to sandy, irrigated soils due to its Aphanomyces root rot resistance. High-yield, good canning quality.

Agronomic Profile

| | Clouseau | Foxfire | Red Dawn |
|------------------|----------|---------|----------|
| Seeds/Pound | 871 | 1,070 | 920 |
| Days to Maturity | 87 | 89 | 82 |
| Plant Type | Bush | Bush | Bush |
| Direct Harvest | Yes | Yes | Yes |

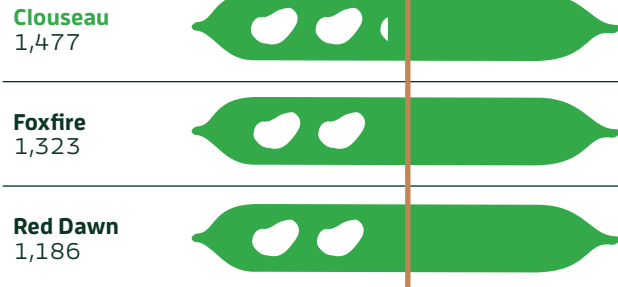
Disease Package

| Aphanomyces Root Rot | Bean Common Mosaic Virus (BCMV) |
|----------------------|---------------------------------|
| R | R |



Yield (lb/ac)

Trial Mean: 1,490



LIGHT RED KIDNEY BEAN

PINK PANTHER

SEMINIS | PVP

The standard for light red kidney beans because of its high canning scores and reliable high yields.

Agronomic Profile

| | Pink Panther | Foxfire | Red Dawn |
|------------------|--------------|---------|----------|
| Seeds/Pound | 984 | 1,070 | 920 |
| Days to Maturity | 86 | 89 | 82 |
| Plant Type | Bush | Bush | Bush |
| Direct Harvest | Yes | Yes | Yes |

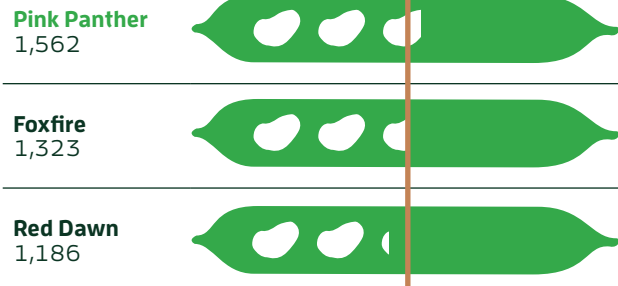
Disease Package

| Bean Common Mosaic Virus (BCMV) |
|---------------------------------|
| R |



Yield (lb/ac)

Trial Mean: 1,490



VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

Clouseau and Pink Panther data source: 2021 NDSU Extension Bulletin A654-21, Table 5, Perham, MN.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

PINTO BEAN

SV6139GR

SEMINIS | **PVP** | PATENTED

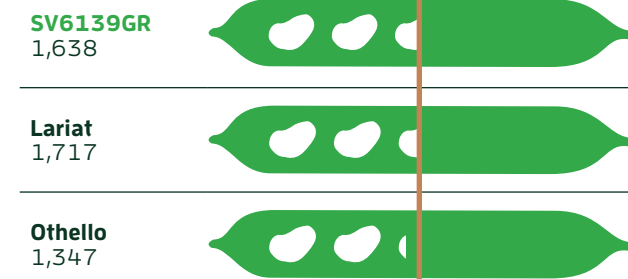
Upright plant habit with good pod position, ideal for direct harvest. Good yield potential and broad adaptation.

Agronomic Profile

| | SV 6139GR | Lariat | Othello |
|------------------|---------------------|---------------------|---------------------|
| Seeds/Pound | 1,422 | 1,187 | 1,400 |
| Days to Maturity | 83 | 95 | 86 |
| Plant Type | Upright, Short Vine | Upright, Short Vine | Upright, Short Vine |
| Direct Harvest | Yes | Yes | Yes |

Yield (lb/ac)

Trial Mean: 1,746



Disease Package

| Rust (race 53) | Bean Common Mosaic Virus (BCMV) |
|----------------|---------------------------------|
| R | R |



PINTO BEAN

WINDBREAKER

SEMINIS | **PVP**

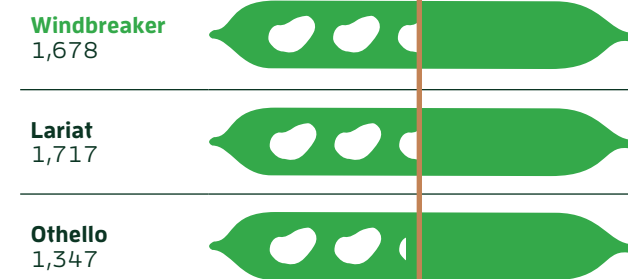
Consistently good yields. Upright, short-vine bean that ripens quickly with reduced seed weathering.

Agronomic Profile

| | Wind-breaker | Lariat | Othello |
|------------------|---------------------|---------------------|---------------------|
| Seeds/Pound | 1,250 | 1,187 | 1,400 |
| Days to Maturity | 64 | 95 | 86 |
| Plant Type | Upright, Short Vine | Upright, Short Vine | Upright, Short Vine |
| Direct Harvest | Yes | Yes | Yes |

Yield (lb/ac)

Trial Mean: 1,746



Disease Package

| Rust (race 53) | Bean Common Mosaic Virus (BCMV) |
|----------------|---------------------------------|
| R | R |



VISIT [MERIDIANSEEDS.COM](https://www.meridianseeds.com) FOR MORE DATA AND OUR LATEST SEED VARIETIES.

SV6139GR and Windbreaker data source: 2021 NDSU Extension Bulletin A654-21, Table 3, Hatton, ND.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

BLACK BEAN

AAC KNIGHT RIDER

MERIDIAN SEEDS EXCLUSIVE | **PVP**

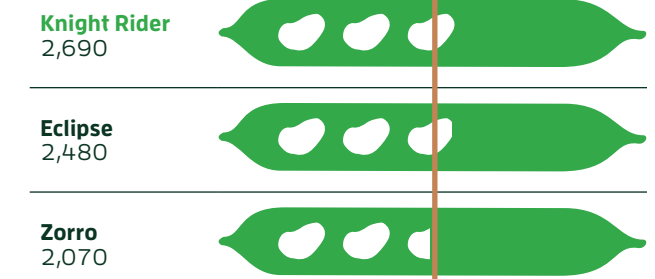
Proven top-end yield with excellent canning quality. Resistant to BCMV and CBB. Suitable for direct harvest.

Agronomic Profile

| | Knight Rider | Eclipse | Zorro |
|------------------|---------------------|---------------------|---------------------|
| Seeds/Pound | 2,548 | 2,268 | 2,350 |
| Days to Maturity | 99 | 90 | 96 |
| Plant Type | Upright, Short Vine | Upright, Short Vine | Upright, Short Vine |
| Direct Harvest | Yes | Yes | Yes |
| Canning Quality* | 2 | 3 | 2 |

Yield (lb/ac)

Trial Mean: 2,390



Disease Package

| Anthrachnose (race 73) | Bean Common Mosaic Virus (BCMV) | Common Bacterial Blight (CBB) |
|------------------------|---------------------------------|-------------------------------|
| S | R | MR |



NAVY BEAN

SV1893GH

SEMINIS | **PVP** | PATENTED

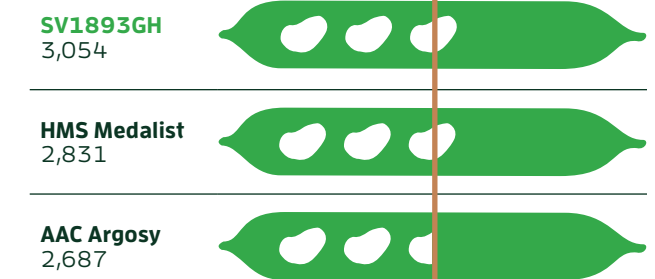
Full-season with an excellent disease package and upright growth habit, making it ideal for direct harvest.

Agronomic Profile

| | SV 1893GH | AAC Argosy | HMS Medalist |
|--------------------------|---------------------|---------------------|---------------|
| Days to Maturity | 101 | 99 | 101 |
| Plant Type | Upright, Short Vine | Upright, Short Vine | Upright, Vine |
| Direct Harvest | Yes | Yes | Yes |
| Lodging Score | 2.3 | 3.3 | 2.5 |
| White Mold Infection (%) | 55 | 45 | 48 |
| Canning Quality* | 2.7 | 3.2 | 2.8 |

Yield (lb/ac)

Trial Mean: 2,688



Disease Package

| Anthrachnose | Aphanomyces Root Rot | Rust (race 53) | Bean Common Mosaic Virus |
|--------------|----------------------|----------------|--------------------------|
| R | R | R | R |

VISIT [MERIDIANSEEDS.COM](https://www.meridianseeds.com) FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Knight Rider data source: 2018 NDSU Extension Bulletin A-654, Table 7.
SV1893GH data sources: 2022 Michigan Dry Bean Research Report, Table 3 and Canning Quality Table 5.
*1-5 Canning Quality Scale: 1 = best canning quality, 5 = worst canning quality.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.



CANOLA SEED

Meridian Seeds has canola hybrids that have what you want! Our CANTERRA SEEDS brand canola varieties feature the latest traits, stand-out disease packages, and most importantly, HIGH YIELD! Straight cut canola? We’ve got it. Clubroot and blackleg resistance? We’ve got it. Non-GMO hybrids for contracts? We’ve got that, too! Let your Meridian Seeds associate help you find the right canola hybrid for your farm.

MERIDIAN SEEDS IS PROUD TO PARTNER WITH CANTERRA SEEDS TO OFFER HIGH-PERFORMING CANOLA HYBRIDS WITH THE LATEST TRAIT PACKAGES AVAILABLE.



CANTERRA SEEDS was founded by nine Canadian seed growers and is a farmer-owned company to this day. They offer one of the broadest seed portfolios in Western Canada, cultivated through local investments in plant breeding, access to a global network of germplasm and traits, and a steadfast belief that farmers deserve the best. They have strategic partnerships around the world, and varieties tested locally across Western Canada.

These canola hybrids offer the traits you want and genetics you need. **Look for these Yield Stamps to identify canola hybrids that provide extra protection to maximize your canola yield.**



PodProtect™
Enhanced protection against pod shatter for superior straight cut performance.



Straight Cut
Suitable for delayed swathing or straight cutting, based on timing and harvest conditions.



Clubroot
Additional genes to protect against clubroot in high-risk zones.



Blackleg
Bred to have resistance to multiple races of blackleg.



Always read and follow label directions. LibertyLink®, Liberty®, the LibertyLink logo, and the Water Droplet Design are registered trademarks of BASF. Used under license.



Bayer Company is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed, or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.



Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready® spring canola, Roundup Ready® winter canola, and TruFlex® canola with Roundup Ready® Technology. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: tug.bayer.com. U.S. patents for Bayer technologies can be found at the following webpage: cs.bayerpatents.bayer.com

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Roundup Ready® and TruFlex® are registered trademarks of Bayer Group.

CANTERRA SEEDS CANOLA

CS2600 CR-T

MERIDIAN SEEDS EXCLUSIVE

Superior pod shatter tolerance, ideal for straight cutting. Early maturity with clubroot and blackleg resistance.

Agronomic Profile

| | CS2600 CR-T |
|-------------------|-------------|
| Days to Maturity | 94 |
| Plant Height (in) | 61 |

Yield (lb/ac)

| | |
|--|---------|
| | 3,660.0 |
| | 3,628.0 |
| | 3,467.0 |
| | 3,424.0 |
| | 3,366.0 |

Harvest Reel Shatter Rating*

| | | |
|---------------|-----|--|
| CS2600 CR-T | 2.0 | |
| CP9221 TF | 1.0 | |
| LR344PC LL-TF | 2.0 | |
| StarFlex | 5.0 | |
| Trial Mean | 2.6 | |



Disease Package

| | |
|-----------|----------------------|
| Blackleg† | Clubroot‡ |
| R-C | R (2,3,5,6,8+2B, 5X) |

CANTERRA SEEDS CANOLA

CS2700 CL

MERIDIAN SEEDS EXCLUSIVE

NEW! High-yielding, clubroot-resistant Clearfield® hybrid swathing variety with multigenic blackleg resistance.



Agronomic Profile

| | CS2700 CL |
|---------------------|-------------|
| Herbicide Tolerance | CL |
| Days to Maturity | Mid/ Long |
| Plant Height (in) | Medium-Tall |
| Shatter Rating** | 4 |

Percent of Average Yield

| | |
|-----------|-----------|
| CS2700 CL | BY5125 CL |
| 112.0 | 100.0 |

Disease Package

| | |
|-----------|-----------------------------|
| Blackleg† | Clubroot‡ |
| R-AE2 | R, 2nd Gen. R (3A,3D,3H) |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CS2600 CR-T data sources: Company websites and 2022 PNW Farmers Cooperative Research Compendium, Page 49. | CS2700 CL data source: Company websites.
*Harvest Reel Shatter Rating: 0 = no shatter risk, 5 = high shatter risk.
** Shatter Rating provided by company based on scale developed by the Canola Council of Canada. 1 = high shatter risk, 9 = low shatter risk. | Disease Resistance: R = resistant.
†See CanolaCouncil.org for information on blackleg resistance classifications. | ‡Number and letter combinations indicate resistance to those pathotypes used in the Canadian Clubroot Differential Set. Pathotypes 2, 3, 5, 6, and 8 are based on the Williams differential set and are equivalent to 2F, 3H, 5I, 6M and 8N of the Canadian Clubroot Differential Set.

CANTERRA SEEDS CANOLA

CS2800 CL

MERIDIAN SEEDS EXCLUSIVE

NEW! Full-season Clearfield® hybrid swathing variety with excellent lodging resistance.

Agronomic Profile



| | CS2800 CL |
|---------------------|-------------|
| Herbicide Tolerance | CL |
| Days to Maturity | Long |
| Plant Height (in) | Medium-Tall |
| Shatter Rating* | 4 |

Disease Package

| Blackleg† | Clubroot* |
|-----------|---------------------|
| R-AFG | R, 1st and 2nd Gen. |

Percent of Average Yield

| CS2800 CL | Pioneer 45H33 | Invigor L255PC |
|-----------|---------------|----------------|
| 99.0 | 100.0 | 100.0 |





CANTERRA SEEDS CANOLA

CS3000 TF

MERIDIAN SEEDS EXCLUSIVE

Mid-maturing, featuring 2nd-generation clubroot resistance and unique blackleg resistance. Straight-cut.











Agronomic Profile

| | CS3000 TF |
|------------------------|-----------|
| Flower Duration (days) | 27 |
| Days to Maturity | 86 |
| Plant Height (in) | 29 |
| Shatter Rating* | 5 |

Disease Package

| Blackleg† | Clubroot* |
|-----------|-------------------------------------|
| R-AG | R (2,3,5,6,8) R-MR (2B,5X,3A,3D) |

Yield (lb/ac)

| | | | |
|---|------------|------|---|
|  2,092.0 | CS3000 TF | 40.8 |  |
|  1,932.0 | 7361RC | 40.7 |  |
|  1,742.0 | StarFlex | 41.0 |  |
|  1,724.0 | CP9978 TF | 40.9 |  |
|  2,014.0 | Trial Mean | 41.4 |  |



CANTERRA SEEDS CANOLA

CS3100 TF

MERIDIAN SEEDS EXCLUSIVE

High-yielding, full-season with a pod shatter resistance trait! Clubroot and multigenic blackleg resistance.











Agronomic Profile

| | CS3100 TF |
|------------------------|-----------|
| Flower Duration (days) | 20 |
| Days to Maturity | 97 |
| Plant Height (in) | 48 |
| Shatter Rating* | 7 |

Disease Package

| Blackleg† | Clubroot* |
|-----------|------------------------------------|
| R-ADE2 | 1st and 2nd Gen. R (3A, 3D, 3H) |

Yield (lb/ac)

| | | | |
|---|------------|------|---|
|  3,382.0 | CS3100 TF | 42.2 |  |
|  3,148.0 | DKTFLL21SC | 40.9 |  |
|  2,963.0 | NC155 TF | 41.6 |  |
|  2,954.0 | LR344PC | 41.5 |  |
|  3,245.0 | Trial Mean | 42.0 |  |



CANTERRA SEEDS CANOLA

CS4000 LL

MERIDIAN SEEDS EXCLUSIVE

Excellent yield potential, clubroot and blackleg resistance, and a pod-shatter trait for harvest flexibility.











Agronomic Profile

| | CS4000 LL |
|------------------------|-----------|
| Flower Duration (days) | 20 |
| Days to Maturity | 93 |
| Plant Height (in) | 50 |
| Shatter Rating* | 6 |

Disease Package

| Blackleg† | Clubroot* |
|-----------|------------------------|
| R | R (2F, 3H, 5I, 6M, 8N) |

Yield (lb/ac)

| | | | |
|---|------------|------|---|
|  3,237.0 | CS4000 LL | 42.9 |  |
|  3,171.0 | L233P | 42.7 |  |
|  3,094.0 | DKLL82SC | 41.4 |  |
|  2,647.0 | P505MSL | 41.9 |  |
|  3,261.0 | Trial Mean | 42.7 |  |



VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CS2800 CL data sources: Company websites and 2022 Small Plots Breeder Trials. | CS3000 TF data sources: Company websites and 2022 NDSU Canola Variety Trial, Minot, ND.
*Shatter Rating provided by company based on scale developed by the Canola Council of Canada. 1 = high shatter risk, 9 = low shatter risk.
Disease Resistance: R = resistant, MR = moderately resistant. | †See CanolaCouncil.org for information on blackleg resistance classifications.
‡Number and letter combinations indicate resistance to those pathotypes used in the Canadian Clubroot Differential Set.

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CS3100 TF sources: Company websites and 2022 NDSU Canola Variety Trial, Langdon, ND. | CS4000 LL sources: Company websites and 2022 NDSU Ext. Bulletin A1124-20, Table 10.
*Shatter Rating provided by company based on scale developed by the Canola Council of Canada. 1 = high shatter risk, 9 = low shatter risk. | Disease Resistance: R = resistant.
†See CanolaCouncil.org for information on blackleg resistance classifications. | ‡Number and letter combinations indicate resistance to those pathotypes used in the Canadian Clubroot Differential Set. Pathotypes 2, 3, 5, 6, and 8 are based on the Williams differential set and are equivalent to 2F, 3H, 5I, 6M and 8N of the Canadian Clubroot Differential Set.

FLAX SEED



If you are growing flax seed, you need to be growing with Meridian Seeds! CDC Neela has proven yield performance in North Dakota, South Dakota, and Montana flax fields and features resistance to flax wilt and moderate resistance to Fusarium wilt. Our newest flax variety, AAC Marvelous, features high yields, excellent standability, a strong disease package, and an indehiscent boll type to stand up in tough harvest conditions. Growing flax seed has never been easier with varieties from Meridian Seeds.

FLAX

AAC MARVELOUS

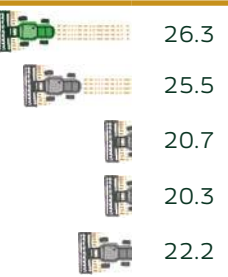
MERIDIAN SEEDS EXCLUSIVE | PVP

Brown flax with high yield, excellent standability, a strong disease package, and an indehiscent boll type that stands up to tough harvest conditions.

Agronomic Profile

| | AAC Marvelous |
|---------------------|---------------|
| Days to 10% Bloom | 48 |
| Plant Height (in) | 22 |
| Test Weight (lb/bu) | 50.8 |

Yield (lb/ac)



Oil Content (%)

| | AAC Marvelous | Oil Content (%) |
|---------------|---------------|-----------------|
| AAC Marvelous | 44.2 | |
| CDC Rowland | 42.8 | |
| York | 42.6 | |
| CDC Glas | 45.2 | |
| Trial Mean | 43.1 | |

Disease Package

| Powdery Mildew | Fusarium Wilt | Flax Rust | Pasmo |
|----------------|---------------|-----------|-------|
| MR | MR | R | S |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Marvelous data source: 2022 NDSU Extension Bulletin A-1105-22, Table 4.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

FLAX

CDC NEELA

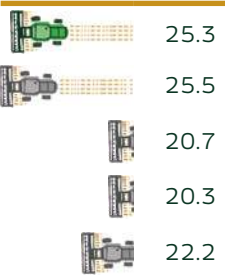
MERIDIAN SEEDS EXCLUSIVE | PVP

Broadly-adapted brown flax with high yield potential. Excellent test weight and disease package.

Agronomic Profile

| | CDC Neela |
|---------------------|-----------|
| Days to Flower | 49 |
| Plant Height (in) | 22 |
| Test Weight (lb/bu) | 50.2 |

Yield (lb/ac)



Oil Content (%)

| | CDC Neela | Oil Content (%) |
|-------------|-----------|-----------------|
| CDC Neela | 42.4 | |
| CDC Rowland | 42.8 | |
| York | 42.6 | |
| CDC Glas | 45.2 | |
| Trial Mean | 43.1 | |

Disease Package

| Powdery Mildew | Fusarium Wilt | Flax Rust |
|----------------|---------------|-----------|
| MR | MR | R |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Neela data source: 2022 NDSU Extension Bulletin A-1105-22, Table 4.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

SPRING WHEAT SEED

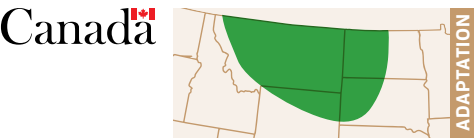
It's a struggle for spring wheat growers to balance high yield and high protein characteristics when selecting varieties. We can help, with balanced varieties with either yield-emphasis or protein-emphasis, making sure you don't have to compromise. Take a look. You'll see our varieties stand out from the pack.

Yield-Protein Relationship

| High Protein | Balanced | | High Yield |
|---|------------------|----------------|---|
| | Protein Emphasis | Yield Emphasis | |
| AAC STARBUCK VB BOLLES SY MCCLOUD | AAC CONCORD | MS RANCHERO | MS CHARGER LCS BUSTER LCS TRIGGER |
| | MS BARRACUDA | FALLER | |
| | MS COBRA | MN TORGY | |
| | LANNING | SHELLY | |
| | ND VITPRO | SY VALDA | |
| | SY INGMAR | VIDA | |
| | WB9590 | WB GUNNISON | |

HARD RED SPRING WHEAT AAC CONCORD

MERIDIAN SEEDS EXCLUSIVE | PVP PENDING



High-yielding and sawfly resistant with a fully solid stem, awnless heads, and moderate protein.

Agronomic Profile

| | AAC Concord |
|---------------------|-------------|
| Plant Height (in) | 26 |
| Test Weight (lb/bu) | 53.1 |
| Grain Yield (bu/ac) | 36.3 |
| Saw Fly Cutting* | 0.0 |

Yield (bu/ac)

| | | |
|------|-------------|------|
| 36.3 | AAC Concord | 16.9 |
| 35.0 | Vida | 16.2 |
| 25.0 | Corbin | 18.0 |
| 18.2 | SY Longmire | 19.1 |
| 31.4 | Trial Mean | 17.0 |

Protein (%)

Disease Package

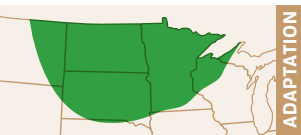
| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Bacterial Leaf Streak |
|----------------------|-----------|-----------|-------------|-----------------------|
| S | R | R | R | S |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Concord data source: 2022 Montana spring wheat variety performance evaluations, page 27.
*0-9 Saw Fly Cutting Scale: 0 = low cutting, 9 = severe cutting.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

HARD RED SPRING WHEAT MS BARRACUDA

MERIDIAN SEEDS EXCLUSIVE | PVP



Great yield and protein all in one package! Early maturity and excellent standability with broad adaptability.

Agronomic Profile

| | MS Barracuda |
|---------------------|--------------|
| Days to Heading | 42 |
| Plant Height (in) | 24 |
| Lodging Score* | 1 |
| Test Weight (lb/bu) | 59.5 |

Yield (bu/ac)

| | | |
|------|--------------|------|
| 61.6 | MS Barracuda | 14.5 |
| 58.1 | AP Murdock | 13.0 |
| 54.2 | ND VitPro | 14.1 |
| 53.5 | SY Ingmar | 14.4 |
| 60.9 | Trial Mean | 13.4 |

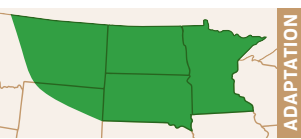
Protein (%)

Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Bacterial Leaf Streak |
|----------------------|-----------|-----------|-------------|-----------------------|
| MS | MR | MR | MR | MS |

HARD RED SPRING WHEAT MS CHARGER

MERIDIAN SEEDS EXCLUSIVE | PVP PENDING



NEW! Charging to the top with mega yield, MS Charger also boasts resistance to leaf and stem rust.

Agronomic Profile

| | MS Charger |
|---------------------|------------|
| Days to Heading | 42 |
| Plant Height (in) | 28 |
| Test Weight (lb/bu) | 59.4 |

Yield (bu/ac)

| | | |
|------|------------|------|
| 94.9 | MS Charger | 13.9 |
| 90.5 | AP Murdock | 14.0 |
| 86.4 | LCS Buster | 12.9 |
| 86.1 | Shelly | 14.9 |
| 85.3 | Trial Mean | 15.2 |

Protein (%)

Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Bacterial Leaf Streak |
|----------------------|-----------|-----------|-------------|-----------------------|
| MR | R | R | S | MS |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

MS Barracuda data source: 2022 NDSU Spring Wheat Variety Trial, Minot, ND.
MS Charger data sources: 2022 NDSU Spring Wheat Variety Trial, Grand Forks, ND, and 2022 NDSU Extension Bulletin A574-22.
*1-9 Lodging Score Scale: 1 = no lodging, 9 = completely lodged.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

HARD RED SPRING WHEAT

MS COBRA

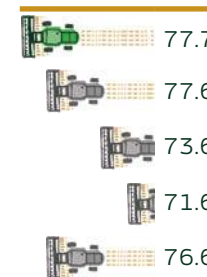
MERIDIAN SEEDS EXCLUSIVE | PVP

The definition of yield and protein balance. Excellent straw strength, test weight, and overall disease package.

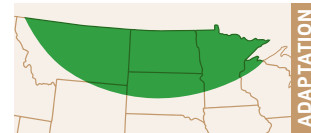
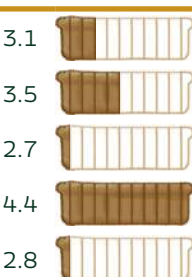
Agronomic Profile

| | MS Cobra |
|---------------------|----------|
| Days to Heading | 80 |
| Plant Height (in) | 32 |
| Lodging Score* | 0 |
| Test Weight (lb/bu) | 62.9 |

Yield (bu/ac)



Protein (%)



Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Bacterial Leaf Streak |
|----------------------|-----------|-----------|-------------|-----------------------|
| MS | R | R | R | I |

HARD RED SPRING WHEAT

MS RANCHERO

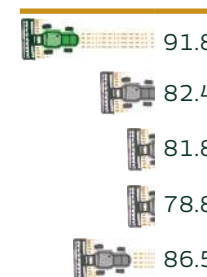
MERIDIAN SEEDS EXCLUSIVE | PVP

MS Ranchero has an emphasis on YIELD, plus stripe rust resistance and a western adaptation.

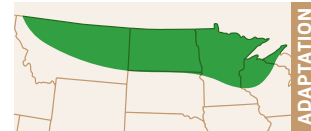
Agronomic Profile

| | MS Ranchero |
|---------------------|-------------|
| Days to Heading† | 182 |
| Plant Height (in) | 36.2 |
| Test Weight (lb/bu) | 64.3 |

Yield (bu/ac)



Protein (%)



Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Bacterial Leaf Streak |
|----------------------|-----------|-----------|-------------|-----------------------|
| I | I | MR | R | MS |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

MS Cobra data source: 2022 NDSU Spring Wheat Variety Trial, Hettinger, ND.

MS Ranchero data source: 2022 Montana spring wheat variety performance evaluations, Page 30.

*1-9 Lodging Score Scale: 1 = no lodging, 9 = completely lodged. †Days to Heading measured relative to Julian.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

WINTER WHEAT SEED



Winter wheat growers in the Northern Plains have long known Meridian Seeds for AC™ Emerson. AC™ Emerson is known by conventional and organic farmers for its excellent scab resistance, winter-hardiness, protein content, and excellent yield potential. MS Maverick is the newest addition to the Meridian Seeds lineup and is specifically built for growers in the Central Plains. MS Maverick features an elite disease package, good protein and test weight, and desirable baking quality. Did I mention that MS Maverick has great yield too? No matter where you're growing, we've got a winter wheat for you. Talk to your local Meridian Seeds associate today to get growing!

HARD RED WINTER WHEAT

AAC VORTEX

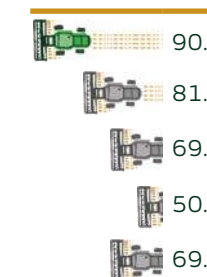
MERIDIAN SEEDS EXCLUSIVE | PVP PENDING

NEW! Get ready for the power of AAC Vortex: high yield with excellent winter hardiness and disease package.

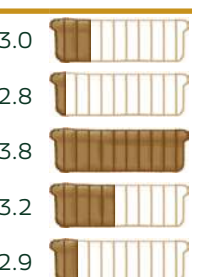
Agronomic Profile

| | AAC Vortex |
|---------------------|------------|
| Days to Heading* | 173 |
| Plant Height (in) | 32 |
| Winter Survival (%) | 98 |
| Test Weight (lb/bu) | 61.6 |

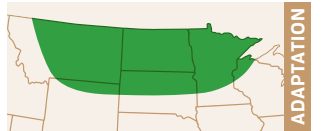
Yield (bu/ac)



Protein (%)



Canada



Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust |
|----------------------|-----------|-----------|-------------|
| MR | R | R | R |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Vortex data source: 2022 NDSU Extension Bulletin A1196-22, Langdon, ND.

*Days to Heading measured relative to Julian.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

HARD RED WINTER WHEAT

AC™ EMERSON

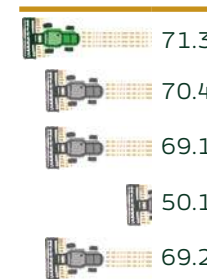
MERIDIAN SEEDS EXCLUSIVE | PVP

Excellent disease package, superior winter-hardiness, high yields, and great protein content.

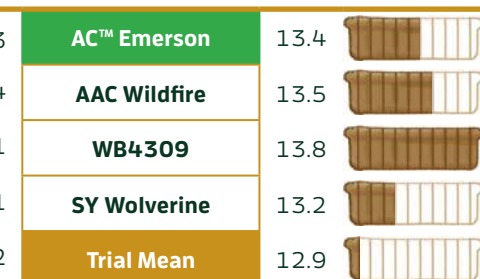
Agronomic Profile

| | AC™ Emerson |
|---------------------|-------------|
| Days to Heading* | 174 |
| Plant Height (in) | 32 |
| Winter Survival (%) | 94 |
| Test Weight (lb/bu) | 61.1 |

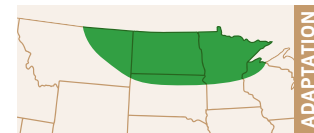
Yield (bu/ac)



Protein (%)



Canada



ADAPTATION

Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust | Tan Spot |
|----------------------|-----------|-----------|-------------|----------|
| MR | MS | R | R | I |

HARD RED WINTER WHEAT

MS MAVERICK

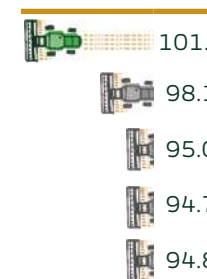
MERIDIAN SEEDS EXCLUSIVE | PVP

Broadly-adapted winter wheat with elite disease package, acid-soil tolerance, and desirable baking quality.

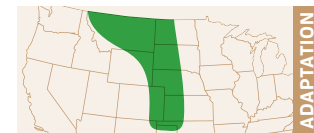
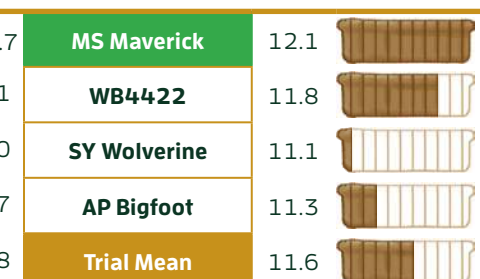
Agronomic Profile

| | MS Maverick |
|-------------------|-------------|
| Maturity | Medium-Late |
| Coleoptile Length | Medium-Long |
| Straw Strength | Medium |
| Plant Height | Medium-Tall |
| Test Weight | Average |

Yield (bu/ac)



Protein (%)



ADAPTATION

Disease Package

| Fusarium Head Blight | Leaf Rust | Stem Rust | Stripe Rust |
|----------------------|-----------|-----------|-------------|
| R | R | I | MR |

See additional yield and protein data at MeridianSeeds.com

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AC™ Emerson data source: 2022 NDSU Extension Bulletin A1196-22, Langdon, ND.

MS Maverick data source: 2023 Box Butte County Rainfed Winter Wheat Variety Trial. 2023.

*Days to Heading measured relative to Julian.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

BARLEY SEED



Let's raise a glass to barley growers! AAC Connect is a two-rowed malting barley that couples the broad adaptation and agronomics that farmers expect with the malting quality that the industry demands. AAC Connect was added to the AMBA Recommended Malting Barley Variety list in 2020. Itching to know more? Talk to your local Meridian Seeds associate. Cheers!

BARLEY

AAC CONNECT

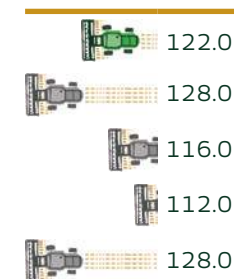
MERIDIAN SEEDS EXCLUSIVE | PVP

AMBA-approved, great agronomics, and broad adaptation across all major U.S. barley growing regions.

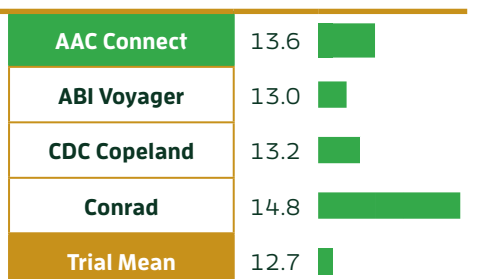
Agronomic Profile

| | AAC Connect |
|---------------------|-------------|
| Heading Date | 6/26 |
| Plant Height (in) | 42.0 |
| Lodging (%) | 14.0 |
| Test Weight (lb/bu) | 51.2 |

Yield (bu/ac)



Protein (%)



Disease Package

| Fusarium Head Blight | Spot-Form Net Blotch | Spot Blotch | Net Blotch | Stem Rust |
|----------------------|----------------------|-------------|------------|-----------|
| MR | MR | MR | I | MR |

VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

AAC Connect data source: 2022 University of Idaho Research Bulletin 206, Table 55.

Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

OAT SEED



Here at Meridian Seeds, we're feeling our oats – and for good reason! CS Camden is a miller-preferred variety that features excellent grain quality, high milling efficiency, and high beta glucan. CS Camden features superior grain yields across major oat growing regions and excellent standability. Your local Meridian Seeds associate can help you fill your hopper and feel your oats with CS Camden!

OAT CS CAMDEN

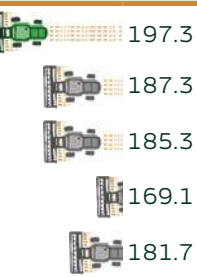
MERIDIAN SEEDS EXCLUSIVE |

It's a win-win! The high yields growers like plus the high milling efficiency and beta-glucan that millers like.

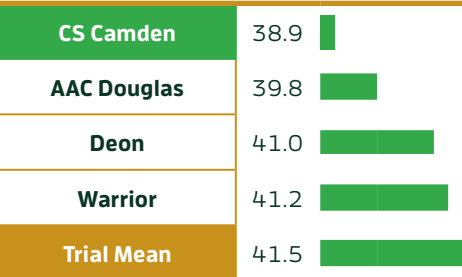
Agronomic Profile

| | CS Camden |
|-------------------|-----------|
| Grain Color | White |
| Days to Heading | 49 |
| Plant Height (in) | 39 |
| Straw Strength | Strong |
| Test Weight | Good |

Yield (bu/ac)



Test Weight (lb/bu)



Disease Package

| Stem Rust | Crown Rust | Leaf Rust | Barley Yellow Dwarf |
|-----------|------------|-----------|---------------------|
| S | I | I | I |

VISIT [MERIDIANSEEDS.COM](https://meridianseeds.com) FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CS Camden data source: 2022 NDSU Langdon Research Extension Center.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

COVER & FORAGE CROPS

COVER CROPS

| | | | |
|-----------------------|----------------------|--------------------|---------------------|
| Austrian Winter Pea | Sugar Beet | Sorghum Sudangrass | Sunny Hemp |
| Cowpea | Dwarf Essex Rape | White Proso Millet | Yellow Sweet Clover |
| Field Pea | Forage Chicory | Corn | Medium Red Clover |
| Forage Pea | Stockford Hay Barley | Safflower | |
| Lentil | Grain Sorghum | Oats | |
| Pasja Hybrid Brassica | Piper Sudangrass | Hairy Vetch | |
| Purple Top Turnip | Pearl Millet | Soybean | |
| Soil Buster Radish | Siberian Millet | Buckwheat | |
| Daikon Forage Radish | German Millet | Sunflower | |

FORAGE CROPS

BERSEEM CLOVER

This annual clover is used throughout the Midwest in soil building mixtures because of its nitrogen producing characteristics. When planted early it can give more than one cutting and is a low bloat forage when used for grazing.

FORAGE BARLEY

Spring hooded barley with smooth or semi smooth awn surface. Harvest at soft dough.

BMR SWEETHING HYBRID SORGHUM SUDAN

The Brown Midrib gene reduces the lignin content in this hybrid, for increased fiber digestion in livestock. With nearly 20% increase in feed value.

SWEETHING, HYBRID SORGHUM SUDANGRASS

A fast growing highly palatable hybrid that produces a sweet, leafy, fine stemmed plant for high feed value.

BMR SWEETIE HYBRID FORAGE SORGHUM

A brown midrib sugar-sweet "cane type" forage that livestock relish.

GEM X, HYBRID PEARL MILLER

Gem X has a massive root system that enables it to stand up to heat and drought, particularly on light soils.

PEA-OAT MIX

This high quality, high yielding blend contains 60% peas and 40% oats.

PIPER SUDANGRASS

This annual forage is low in prussic acid content and has good drought and disease tolerance with good regrowth after pasturing.

WINTER TRITICALE

A cross between wheat and rye. It produces excellent forage, especially on marginal soils with nitrogen present.

TETRAPLOID ANNUAL RYEGRASS

Annual ryegrass that establishes easily and responds well to intensive grazing. It produces best under good fertility with adequate moisture. It stays green late into fall.

ITALIAN RYEGRASS, FORAGE TYPE

Due to its rapid establishment, quick regrowth and prolonged growth into fall, Italian ryegrass is an excellent forage. It does not go to seed the establishment year. Works well as a cover crop for establishing alfalfa.

GRASS SEED, INOCULANTS, & SEED TREATMENTS

LAWN GRASS SEED BLENDS

ELITE
60% Elite Bluegrass
30% Fineleaf Perennial Ryegrass
10% Improved Fine Fescue

EXECUTIVE SHADY
35% Improved Fine Fescue
35% Shade Tolerant Bluegrass
30% Fineleaf Perennial Ryegrass

CLASSIC SHADE/SUN
35% Kentucky Bluegrass
35% Creeping Red Fescue
30% Fineleaf Perennial Ryegrass

PREMIUM SUNNY
60% Kentucky Bluegrass
30% Fineleaf Perennial Ryegrass
10% Creeping Red Fescue

INOCULANTS

Cell-Tech®
LALFix®
N-Charge®
N-Dure
PRIMO GX2
TagTeam® LCO

SEED TREATMENTS

ApronMaxx®
Clariva® Complete Beans
Legume Premix F2 RTU ST
TebuStar® IM Extra ST
SoyStar™

CONTACT MERIDIAN SEEDS



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FIND A SEED SUPPLIER

| | | |
|------------------------|---|--------------|
| COLORADO | | |
| Denver | Treasure Valley Seed Co..... | 303-773-4966 |
| Haxtun | Pfaltzgraff Farms LLC..... | 970-466-1887 |
| Olathe | Producer's Co-op | 970-323-5501 |
| IDAHO | | |
| Genesee | Pacific NW Farmers Cooperative, Inc. | 208-285-1141 |
| Driggs | Penfold Farms Inc. | 208-709-5411 |
| ILLINOIS | | |
| Decatur | ADM Seedwest | 217-412-0505 |
| MICHIGAN | | |
| Auburn | Schmidt Farms of Auburn LLC..... | 989-529-8829 |
| MINNESOTA | | |
| Albert Lea | Albert Lea Seed..... | 507-373-3161 |
| Morris | Bonanza Bean LLC..... | 320-585-2326 |
| Warren | CHS Ag Services | 218-745-4166 |
| MONTANA | | |
| Big Sandy | Golden Harvest Seeds, Inc..... | 406-390-1417 |
| Chester | Stricks Ag | 406-759-6489 |
| Choteau | Hodgskiss Seed | 406-466-5553 |
| Denton | Clearview Ag. Inc | 406-350-2214 |
| Fairview | Safflower Technologies Intl..... | 460-480-1638 |
| Flaxville | Cahill Seeds, Inc | 406-783-5510 |
| Great Falls | Nutrien Ag Solutions..... | 406-899-9635 |
| Havre | WildHorse Seed..... | 406-265-5443 |
| Lindsay | Edwards Farms LLC | 406-939-7635 |
| Moccasin | Heartland Seed Inc..... | 406-350-5700 |
| Wibaux | CountryView Ranch Inc | 701-872-6614 |
| Great Falls | 5 Gen LLC DBA Hefty Seed | 406-899-3423 |
| Fairview | Skov Seed | 406-489-0165 |
| Joplin | Golden Triangle Seed | 406-390-1220 |
| Turner | Maloney Brothers Partnership | 406-399-2157 |
| NEBRASKA | | |
| Broken Bow | Arrow Seed Company..... | 308-870-1133 |
| Imperial | Luhr's Certified Seed LLC..... | 308-882-8152 |
| McCook | Randy Peters Seed Farms Inc..... | 308-340-6834 |
| Venango | Agriforce Seed..... | 308-289-4853 |
| NORTH DAKOTA | | |
| Beach | T & A Seeds..... | 701-260-2667 |
| Berthold | Birdsall Grain & Seed LLC | 701-240-8748 |
| Berthold | Genesis Seed Solutions | 701-721-2368 |
| Bowman | Brooks Chalky Butte Ranch (Ryan Brooks) . | 701-523-6731 |
| Donnybrook | C & C Farms (Troy Coons)..... | 701-721-4258 |
| Douglas | Finken Farms & Seeds | 701-720-1808 |
| Hazen | Max Miller | 701-880-0230 |
| Jud | B & B Seed Farm | 701-320-6038 |
| Lansford | Curt Undlin | 701-263-7111 |
| Maddock | BK Seeds | 701-866-6786 |
| Minot | Clint Patterson..... | 701-871-2270 |
| Munich | Chris Beck Farms..... | 701-370-8585 |
| Pekin | Ross Messner | 701-739-9268 |
| Pembina | Joliette Ag Systems, Inc. | 701-520-3523 |
| NORTH DAKOTA CONTINUED | | |
| Plaza | Great Northern Ag..... | 701-497-3082 |
| Richardton | Stone Mill | 701-260-4081 |
| RockLake | Lagein Farms (David Lagein)..... | 701-370-8826 |
| Rugby | Ideal Seed Solutions..... | 701-208-0424 |
| Rugby | John Fjellanger | 701-208-0506 |
| Souris | Skarphol Farms (Jeff Skarphol) | 701-263-5191 |
| Wales | Ryan Seed Farm | 701-370-1933 |
| Williston | Ryan Ellis..... | 701-770-5530 |
| Wilton | Agronomy Solutions DBA Hefty Seed | 701-652-5866 |
| Wimbledon | Arrowwood Prairie Co-op..... | 701-490-2828 |
| Thompson | Chuck Nelson..... | 701-741-4901 |
| Forman | Anderson Seed Farms Inc | 701-680-2705 |
| Rollette | Grenier Farms..... | 701-871-2273 |
| Mott | Mott Grain Co..... | 701-260-2458 |
| Tioga | Pinnacle Ag | 701-664-2249 |
| Wimbledon | Agroline Ltd | 701-435-2468 |
| Wilton | Wilton Farmers Union Elevator | 701-400-2706 |
| New Salem | CHS Inc DBA CHS Southwest Grain | 651-355-6472 |
| Crosby | New Century Ag..... | 702-642-9227 |
| Tuttle | Tuttle Farmers Elevator | 702-867-3559 |
| Adams | Berntson Seed Farm | 701-331-1450 |
| Brinsdale | Hermansdale Farm, GP | 701-739-9681 |
| Kensal | Kensal Farmers Elevator Co | 701-435-2451 |
| Powers Lake | Tyler Grubb..... | 701-339-0332 |
| Deering | AgriTec Inc | 701-728-6614 |
| Hazleton | Mike Appert..... | 701-321-1587 |
| Mapleton | Harvest Partners | 701-630-4713 |
| Belfield | Arrow K Farms | 701-575-8017 |
| Langdon | Custom Grain & Seed | 701-361-8958 |
| Coleharbor | Victoria Seed & Processing Inc..... | 701-516-4910 |
| Bismarck | Pro Ag Solutions, LLC | 701-516-4660 |
| Northwood | Troy Uglem..... | 218-779-7594 |
| SOUTH DAKOTA | | |
| Blunt | Pollman Rogers Partnership | 605-222-1142 |
| McLaughlin | Howe Seeds, Inc | 605-845-8855 |
| Presho | Reuman Seed Farm (Drew Reuman) | 605-280-5330 |
| Wall | Eisenbraun Seeds | 605-685-3686 |
| Glenham | Leo Vojta Farm | 605-848-3709 |
| Winner | Tritle Farms | 605-208-6116 |
| Roscoe | Malsam Farms Inc..... | 605-380-7832 |
| WASHINGTON | | |
| Pullman | CTH Seeds LLC | 509-332-8888 |
| Quincy | Central Bean Company..... | 509-398-1790 |
| Quincy | Kapa Seed Services | 509-398-1456 |
| Spokane Valley.... | Spokane Seed Company..... | 509-535-3671 |
| Spokane | Fresh Nature Foods..... | 509-842-2460 |
| Farmington | Skyline Chemical Co. DBA Hefty Seeds.... | 509-287-2900 |
| WYOMING | | |
| Albin | Monte Lerwick..... | 307-640-4037 |
| Burlington | Preator Bean Company | 307-272-0911 |

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