

— 2023 —

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://www.meridianseeds.com)

CONTENTS

PULSE CROPS

- 4 YELLOW FIELD PEA SEED
- 8 GREEN FIELD PEA SEED
- 9 KABULI CHICKPEA SEED

EDIBLE BEAN SEED

- 12 CRANBERRY BEAN SEED
- 14 DARK RED KIDNEY BEAN SEED
- 15 LIGHT RED KIDNEY BEAN SEED
- 16 PINTO BEAN SEED
- 17 BLACK BEAN SEED
- 18 NAVY BEAN SEED

OILSEED

- 19 CANOLA SEED
- 23 FLAX SEED

CEREAL SEED

- 25 HARD RED SPRING WHEAT SEED
- 28 HARD RED WINTER WHEAT SEED
- 30 BARLEY SEED
- 31 OAT SEED

32 COVER & FORAGE CROPS

33 GRASS SEED, INOCULANTS, & SEED TREATMENTS

33 CONTACT MERIDIAN SEEDS

34 FIND A SEED SUPPLIER

35 NOTES PAGE

DISCOVER THE MERIDIAN SEEDS ADVANTAGE

Visit [MeridianSeeds.com](https://www.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

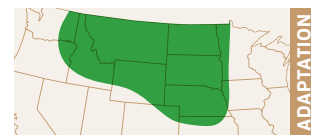
High Protein	Balanced		High Yield
	Protein Emphasis	Yield Emphasis	
← KORANDO LG STUNNER SALAMANCA	AC™ AGASSIZ	CDC INCA	AAC CARVER AC™ EARLYSTAR AAC CHROME →
	CDC SPECTRUM DURWOOD	CDC SAFFRON AAC PROFIT	

YELLOW FIELD PEA

AAC CARVER

MERIDIAN SEEDS EXCLUSIVE | PVP

Canada



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

Agronomic Profile

	AAC Carver
Days to Flower	56
Canopy Height (in)*	24.0
Test Weight (lb/bu)	63.1
Grain Yield (bu/ac)	74.0
Protein (%)	24.2

Yield (bu/ac)

74.0	AAC Carver	24.2
69.5	AAC Profit	26.9
64.0	DL Apollo	26.7
61.2	Salamanca	27.8
66.1	Trial Mean	26.1

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: 2019 NDSU Ext. Bulletin A1469-19, Table 7.

*Height to top of canopy at harvest.

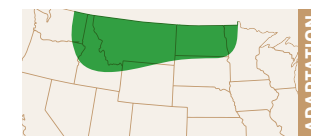
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

YELLOW FIELD PEA

AC™ AGASSIZ

MERIDIAN SEEDS EXCLUSIVE | PVP

Canada



University check variety. Consistent yields and protein. Great agronomic package. Processor approved.

Agronomic Profile

	AC™ Agassiz
Days to Flower	59
Canopy Height (in)*	22.8
Lodging Score**	3.8
Grain Yield (bu/ac)	49.1
Protein (%)	25.4

Yield (bu/ac)

49.1	AC™ Agassiz	25.2
47.4	DS Admiral	23.5
44.7	Nette 2010	23.0
38.5	Spider	24.9
44.5	Trial Mean	24.4

Disease Package

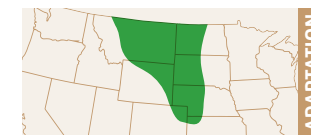
Powdery Mildew	Fusarium Wilt	Ascochyta (Mycosphaella)
R	I	I

YELLOW FIELD PEA

AC™ EARLYSTAR

MERIDIAN SEEDS EXCLUSIVE | PVP

Canada



High yielding, early-maturity pea best adapted to the western Dakotas, Nebraska, Kansas, and Montana.

Agronomic Profile

	AC™ Earlystar
Days to Flower	51
Canopy Height (in)*	25.6
Test Weight (lb/bu)	65.6
Grain Yield (bu/ac)	53.2
Protein (%)	23.1

Yield (bu/ac)

53.2	AC™ Earlystar	23.1
50.9	LG Sunrise	23.5
49.8	DS Admiral	24.1
46.6	Nette 2010	22.1
49.9	Trial Mean	25.0

Disease Package

Powdery Mildew	Fusarium Wilt	Ascochyta (Mycosphaella)
R	I	I

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

AC™ Agassiz data sources: 2019 NDSU Ext. Bulletin A1469-19 Table 7 and MSU 2019 Montana Cool-Season Spring Pulse Variety Evaluation Annual Report.

AC™ Earlystar data source: 2019 NDSU Ext. Bulletin A1469-19 Table 8.

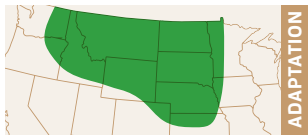
*Height to top of canopy at harvest. **0-9 Lodging Scale: 0 = no lodging, 9 = completely lodged.

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

YELLOW FIELD PEA

CDC INCA

MERIDIAN SEEDS EXCLUSIVE | PVP

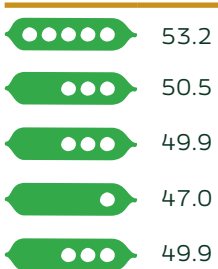


The variety of the future. High yield without sacrificing protein. Processor-approved with great agronomics.

Agronomic Profile

	CDC Inca
Days to Flower	53
Canopy Height (in)*	27.9
Test Weight (lb/bu)	66.0
Grain Yield (bu/ac)	53.2
Protein (%)	24.5

Yield (bu/ac)



Protein (%)

	CDC Inca	24.5
	Salamanca	24.9
	AAC Profit	25.5
	Durwood	24.7
	Trial Mean	25.0

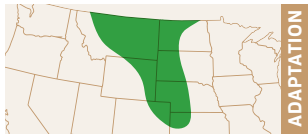
Disease Package

Powdery Mildew	Fusarium Wilt	Ascochyta (Mycospharella)
R	MR	MS

YELLOW FIELD PEA

CDC SAFFRON

MERIDIAN SEEDS EXCLUSIVE | PVP

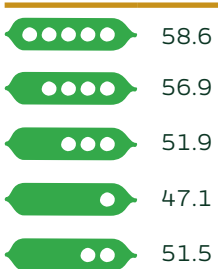


Spice up your yield! Great seed coat quality and disease package. Balanced variety with a yield emphasis.

Agronomic Profile

	CDC Saffron
Plant Height (in)	70
Test Weight (lb/bu)	65.2
Grain Yield (bu/ac)	58.6
Protein (%)	24.1

Yield (bu/ac)



Protein (%)

	CDC Saffron	24.1
	Korando	24.2
	Hyline	24.0
	Durwood	24.1
	Trial Mean	24.4

Disease Package

Powdery Mildew	Fusarium Wilt	Ascochyta (Mycospharella)
R	MS	I

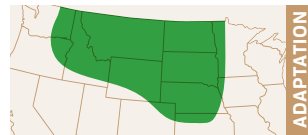
VISIT MERIDIANSEEDS.COM FOR MORE DATA AND OUR LATEST SEED VARIETIES.

CDC Inca data source: 2019 NDSU Ext. Bulletin A1469-19 Table 8.
CDC Saffron data source: MSU 2019 Montana Cool-Season Spring Pulse Variety Evaluation Annual Report, Richland, MT.
*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 SPECTRUM

MERIDIAN SEEDS EXCLUSIVE | PVP

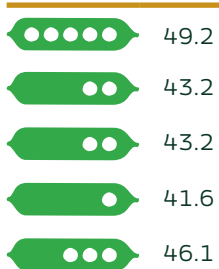


Competitive yield with a protein emphasis. Widely adapted with excellent standability and disease package.

Agronomic Profile

	CDC Spectrum
Days to Flower	52
Canopy Height (in)*	62.0
Test Weight (lb/bu)	65.6
Grain Yield (bu/ac)	49.2
Protein (%)	25.1

Yield (bu/ac)



Protein (%)

	CDC Spectrum	25.1
	Korando	25.6
	Salamanca	24.9
	Durwood	24.7
	Trial Mean	25.0

Disease Package

Powdery Mildew	Fusarium Wilt	Ascochyta (Mycospharella)
R	I	MS

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

CDC Spectrum data source: 2019 NDSU Ext. Bulletin A1469-19 Table 8.
*Height to top of canopy at harvest.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

GREEN FIELD PEA SEED



Field peas are what Meridian Seeds is known for. Our green field pea variety, CDC Greenwater, has strong yields, excellent lodging and disease ratings, and good resistance to bleaching. CDC Greenwater is a proven performer on farms throughout North Dakota, South Dakota, Minnesota, Montana, Washington, and Wisconsin. When your neighbors see your field, they will be green with envy!

GREEN FIELD PEA

CDC GREENWATER

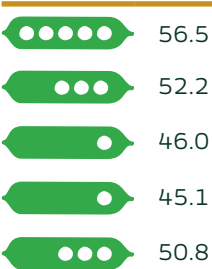
MERIDIAN SEEDS EXCLUSIVE | PVP

See more green! Strong yields, strong disease package, and stands strong through harvest.

Agronomic Profile

	CDC Greenwater
Days to Flower	52.0
Canopy Height (in)*	28.0
Test Weight (lb/bu)	65.9
Protein (%)	24.5
1,000 Seed Weight (g)	237

Yield (bu/ac)



1,000 Seed Weight (g)

CDC Greenwater	237	
Arcadia	212	
Bluemoon	222	
CDC Striker	223	
Trial Mean	233	

Disease Package

Powdery Mildew	Fusarium Wilt	Ascochyta (Mycospharella)	Pythium Root Rot
R	MR	I	MR

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

CDC Greenwater data sources: 2019 NDSU Ext. Bulletin A1469-19 Table 12, and NDSU Minot 3-year and 2019.
*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)	53
Canopy Height (cm)	34
Seeds/Pound	1,393
RMA, Northern Plains	Small
RMA, PNW	Small

Yield (lb/ac)



% > 22/64 in (9 mm)

CDC Frontier	41.3	
Sawyer	54.6	
Nash	84.9	
Sierra	75.3	
Trial Mean	59.0	

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: 2018 NDSU Minot 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

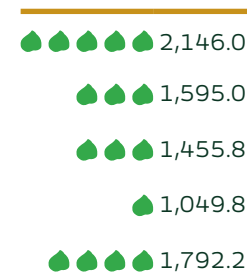
MERIDIAN SEEDS EXCLUSIVE | PVP

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

Agronomic Profile

	CDC Leader
Days to Flower (DAP)	51
Canopy Height (cm)	31
Seeds/Pound	1,147
RMA, Northern Plains	Not Classified
RMA, PNW	Not Classified

Yield (lb/ac)



% > 22/64" or 9mm

	CDC Leader	
	51.3	<div></div>
	Sawyer	54.6 <div></div>
	Nash	84.9 <div></div>
	Sierra	75.3 <div></div>
	Trial Mean	59.0 <div></div>

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)	50
Canopy Height (cm)	34
Seeds/Pound	988
RMA, Northern Plains	Large
RMA, PNW	Large

Yield (lb/ac)



% > 22/64" or 9mm

	CDC Orion	
	74.8	<div></div>
	Sawyer	54.6 <div></div>
	Nash	84.9 <div></div>
	Sierra	75.3 <div></div>
	Trial Mean	59.0 <div></div>

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: 2018 NDSU Minot 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 PALMER

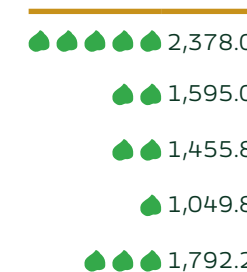
MERIDIAN SEEDS EXCLUSIVE | PVP

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
Seeds/Pound	1,058
RMA, Northern Plains	Large
RMA, PNW	Not Classified

Yield (lb/ac)



% > 22/64" or 9mm

	CDC Palmer	
	64.6	<div></div>
	Sawyer	54.6 <div></div>
	Nash	84.9 <div></div>
	Sierra	75.3 <div></div>
	Trial Mean	59.0 <div></div>

Disease Package

Ascochyta Rating
I

KABULI CHICKPEA

NEW HOPE

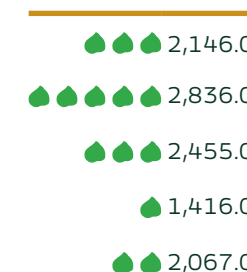
MERIDIAN SEEDS EXCLUSIVE | PVP

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

Agronomic Profile

	New Hope
Days to Flower (DAP)	105
Canopy Height (cm)	43
Seeds/Pound	1,048
RMA, Northern Plains	Not Classified
RMA, PNW	Not Classified

Yield (lb/ac)



100-Seed Weight (g)

	New Hope	
	43.3	<div></div>
	CDC Frontier	35.0 <div></div>
	CDC Orion	39.1 <div></div>
	Sierra	44.7 <div></div>
	Trial Mean	41.1 <div></div>

Disease Package

Ascochyta Rating
MR

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

CDC Palmer data source: 2018 NDSU Minot Chickpea Variety Trial. | New Hope data sources: Urrea, C.A., F.J. Muehlbauer, and R.M. Harveson, 2017. Registration of 'New Hope' Chickpea Cultivar with Enhanced Resistance to Ascochyta Blight. J. Plant Regist. 11:107-111.
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.

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 off on the path to success, start with Meridian Seeds.

CRANBERRY BEAN

AAC SCOTTY

MERIDIAN SEEDS EXCLUSIVE | PVP

Strong yield performance in major cranberry bean growing areas in the U.S. and Canada.

Agronomic Profile

	AAC Scotty	Vero
Seeds/Pound	854	869
Days to Maturity	97	95
Plant Type	Bush	Bush
Direct Harvest	Yes	Yes
Canning Quality*	2	2

Disease Package

Anthracnose (race 73)	Anthracnose (race 105)	Common Bacterial Blight (CBB)
R	R	I

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

AAC Scotty data source: 2019 NDSU Ext. Bulletin A-654 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.



CRANBERRY BEAN

AMARANTO

SEMINIS | PATENTED

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

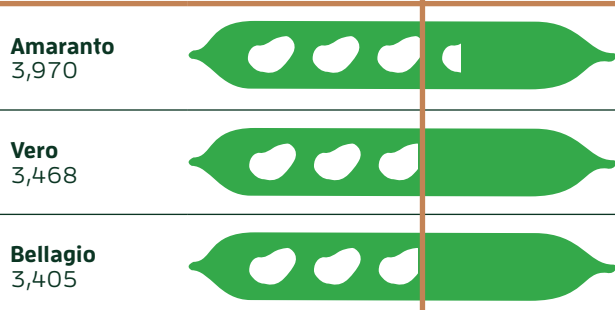
Agronomic Profile

	Amaranto	Bellagio	Vero
Days to Maturity	88-90	102-104	88-91
Plant Type	Upright, Vine	Upright, Vine	Bush
Direct Harvest	Yes	Yes	Yes
White Mold Rating*	1	3	2
Canning Score**	2.2	3.0	2.2

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.

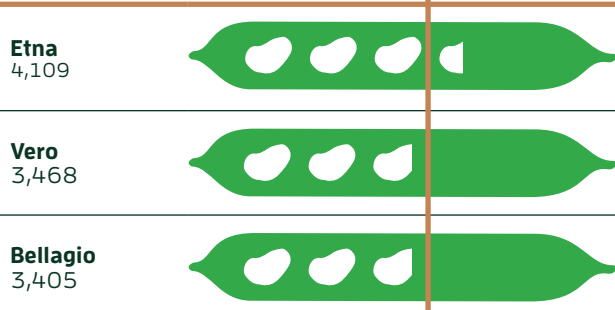
Agronomic Profile

	Etna	Bellagio	Vero
Days to Maturity	88-91	102-104	88-91
Plant Type	Bush	Upright, Vine	Bush
Direct Harvest	Yes	Yes	Yes
White Mold Rating*	1	3	2
Canning Score*	1.7	3.0	2.2

Disease Package

Bean Common Mosaic Virus (BCMV)
R

Yield (lb/ac)



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

Amaranto data sources: 2019 Michigan Dry Bean Research Report Table 7 and 2019 Michigan Dry Bean Canning Results Table 6. | Etna data sources: 2019 Michigan Dry Bean Research Report Table 7 and 2019 Michigan Dry Bean Canning Results Table 6.
*1-5 White Mold Rating Scale: 1 = < 10% infection, 5 = >60% infection. | †1-5 Canning Score: 5 = excellent, 1 = poor. | Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible. | Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

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	968	908	1,027
Days to Maturity	95	102	95
Plant Type	Bush	Bush	Bush
Direct Harvest	Yes	Yes	Yes

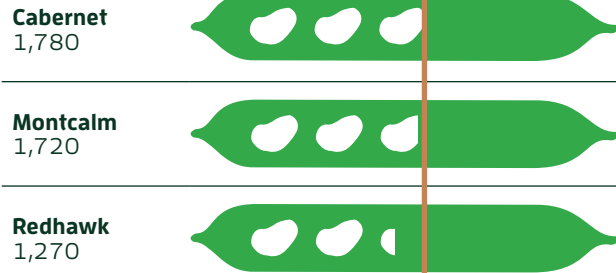
Disease Package

Bean Common Mosaic Virus (BCMV)
R



Yield (lb/ac)

Trial Mean: 1,760



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	976	908	1,027
Days to Maturity	91	102	95
Plant Type	Bush	Bush	Bush
Direct Harvest	Yes	Yes	Yes

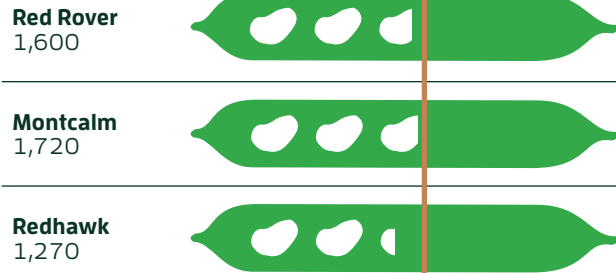
Disease Package

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



Yield (lb/ac)

Trial Mean: 1,760



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

Cabernet and Red Rover data source: 2015 NDSU Ext. Bulletin A654-15 Table 9, Perham, MN.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.
Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

LIGHT RED KIDNEY BEAN

CLOUSEAU

SEMINIS | PVP | PATENTED

Well-adapted to sandy irrigated soils due to its resistance to Aphanomyces root rot. High yields.

Agronomic Profile

	Clouseau	Red Dawn	Foxfire
Seeds/Pound	809	768	839
Relative Maturity	Medium Late	Medium	Medium Early
Plant Type	Bush	Bush	Bush
Direct Harvest	Yes	Yes	Yes

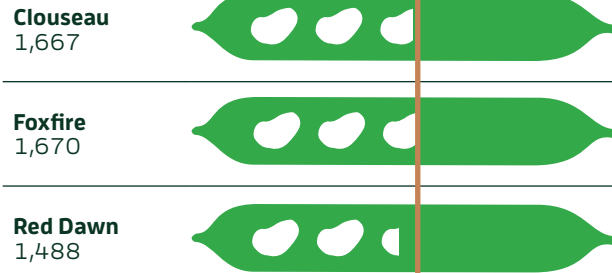
Disease Package

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



Yield (lb/ac)

Trial Mean: 1,876



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	Red Dawn	Foxfire
Seeds/Pound	759	768	839
Relative Maturity	Medium	Medium	Medium Early
Plant Type	Bush	Bush	Bush
Direct Harvest	Yes	Yes	Yes

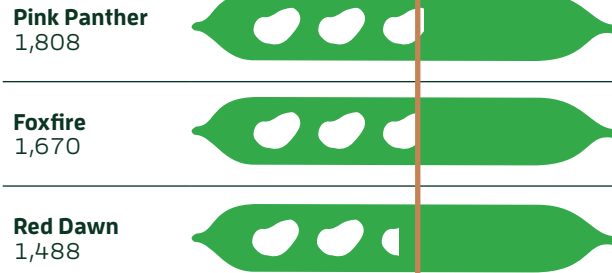
Disease Package

Bean Common Mosaic Virus (BCMV)
R



Yield (lb/ac)

Trial Mean: 1,876



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

Clouseau and Pink Panther data source: 2019 NDSU Ext. Bulletin A654-19 Table 3, Park Rapids, MN.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.
Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

PINTO BEAN

MEDICINE HAT

SEMINIS | PVP

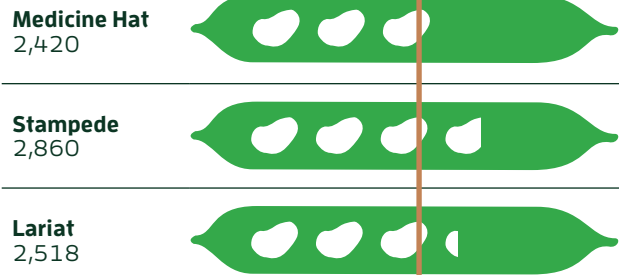
Early-maturing, short – vine variety that has an upright plant. Seed weathering resistance and less breakage.

Agronomic Profile

	Medicine Hat	Stampede	Lariat
Seeds/Pound	1,184	1,166	1,070
Days to Maturity	92	101	103
Plant Type	Upright, Vine	Upright, Short Vine	Upright, Short Vine
Direct Harvest	Yes	Yes	Yes

Yield (lb/ac)

Trial Mean: 2,334



Disease Package

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



PINTO BEAN

WINDBREAKER

SEMINIS | PVP

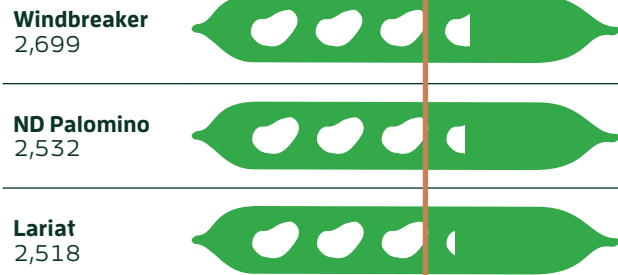
Consistently good yields. Ripens quickly and uniformly with reduced seed weathering.

Agronomic Profile

	Wind-breaker	ND Palomino	Lariat
Seeds/Pound	1,712	1,699	1,758
Days to Maturity	82	88	86
Plant Type	Upright, Vine	Upright, Short Vine	Upright, Short Vine
Direct Harvest	Yes	Yes	Yes

Yield (lb/ac)

Trial Mean: 2,334



Disease Package

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



PINTO BEAN

SV6139GR

SEMINIS | PVP | PATENTED

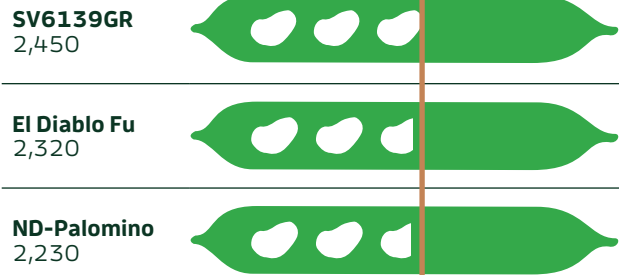
Upright plant habit with good pod position, ideal for direct harvest. Good yield potential and broad adaptation.

Agronomic Profile

	SV 6139GR	ND-Palomino	El Diablo Fu
Seeds/Pound	1,290	1,258	1,170
Days to Maturity	92	102	94
Plant Type	Upright, Short Vine	Upright, Short Vine	Upright, Short Vine
Direct Harvest	Yes	Yes	Yes

Yield (lb/ac)

Trial Mean: 2,374



Disease Package

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



BLACK BEAN

AAC KNIGHT RIDER

MERIDIAN SEEDS EXCLUSIVE | PVP

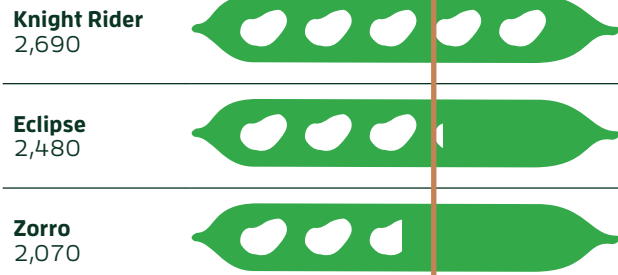
Proven top-end yield with excellent canning quality. Resistant to BCMV and CBB. Suitable for direct harvest.

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

Canada

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

Medicine Hat data source: 2014 NDSU Ext. Bulletin A-654 Table 4, Hatton, ND.
SV6139GR data source: 2017 NDSU Ext. Bulletin A654-17 Table 4, Hatton, ND.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.
Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

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

Windbreaker data source: 2018 NDSU Ext. Bulletin A-654 Table 15, 3-year average. | AAC Knight Rider data source: 2018 NDSU Ext. Bulletin A-654 Table 7.
*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.
Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

NAVY BEAN

AC™ PORTAGE

MERIDIAN SEEDS EXCLUSIVE

THE check navy bean variety in Canada. MR rating to CBB with upright plant and medium-early maturity.

Agronomic Profile

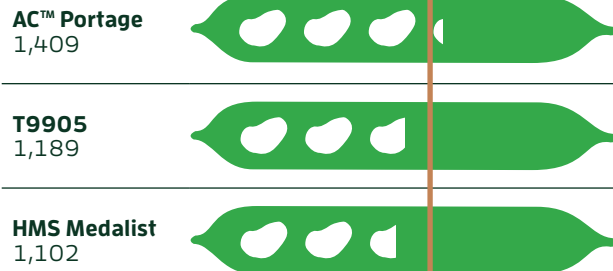
	AC™ Portage	T9905	HMS Medalist
Seeds/Pound	2,326	2,181	2,766
Days to Maturity	103	105	108
Plant Type	Upright, Short Vine	Upright, Short Vine	Upright, Vine
Direct Harvest	Yes	Yes	Yes
Canning Quality*	2	2	2

Disease Package

Anthraco	no	se (race 73)	Anthraco	se (race 105)	Common Bacterial Blight (CBB)
	S		S		MR

Yield (lb/ac)

Trial Mean: 1,326



NAVY BEAN

SV1893GH

SEMINIS | FVP | PATENTED

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

Agronomic Profile

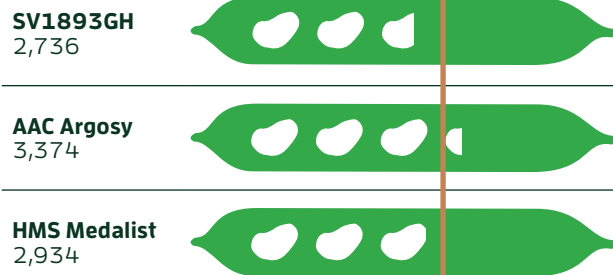
	SV 1893GH	T9905	HMS Medalist
Days to Maturity	97-106	92-100	95-100
Plant Type	Upright, Short Vine	Upright, Short Vine	Upright, Vine
Direct Harvest	Yes	Yes	Yes
White Mold Rating†	2.0	2.2	2.1
Canning Quality*	3.3	2.8	3.5

Disease Package

Anthraco	Aphanomyces Root Rot	Rust (race 53)	Bean Common Mosaic Virus
R	R	R	R

Yield (lb/ac)

Trial Mean: 3,169



AC™ Portage data source: 2019 NDSU Ext. Bulletin A-654 Table 6.
SV1893GH data sources: 2019 Michigan Dry Bean Research Report Table 2 and 2019 Michigan Dry Bean Canning Results Table 1.
*1-5 Canning Quality Scale: 1 = best canning quality, 5 = worst canning quality. †1-5 White Mold Rating Scale: 1 = < 10% infection, 5 = >60% infection.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.
Seminis® is a registered trademark of Bayer Group. ©2004-2020 Bayer Group. All rights reserved.

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

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.



Always read and follow label directions. LibertyLink® 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.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

Roundup Ready®, Roundup® and TruFlex™ are trademarks of Bayer Group.



DL Seeds tests and develops premium canola hybrid varieties for North America.

CANTERRA SEEDS CANOLA

CS2100

MERIDIAN SEEDS EXCLUSIVE | ROUNDUP READY® HYBRID

A straight-cut option with exceptional yields and the highest level of multigenic blackleg resistance available.

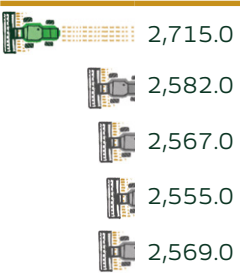
Agronomic Profile

	CS2100
Flower Duration (days)	24
Days to Maturity	89
Plant Height (in)	40
Shatter Rating*	5

Disease Package

Blackleg†	Clubroot
R-ACG	S

Yield (lb/ac)



Oil Content (%)

	CS2100	
	39.1	
	6074 RR	41.1
	DKL 71-14BL	40.0
	300 Mag	41.7
	Trial Mean	40.7

CANTERRA SEEDS CANOLA

CS2300

MERIDIAN SEEDS EXCLUSIVE | ROUNDUP READY® HYBRID | DL SEEDS

Broadly adapted with extraordinary yield potential, excellent lodging resistance, and resistance to blackleg.

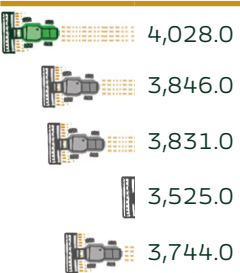
Agronomic Profile

	CS2300
Flower Duration (days)	17
Days to Maturity	96
Plant Height (in)	48
Shatter Rating*	3

Disease Package

Blackleg†	Clubroot
R-C	S

Yield (lb/ac)



Oil Content (%)

	CS2300	
	47.0	
	DG 540G	45.6
	Star 402	49.4
	CP930RR	49.0
	Trial Mean	46.8

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

CS2100 data sources: Company websites and 2018 NDSU Ext. Bulletin A1124-18 Table 11.
CS2300 data sources: Company websites and 2019 NDSU Ext. Bulletin A1124-19 Table 8.
*Rating score provided by company based on scale developed by the Canola Council of Canada. 1 = High Shatter Risk, 9 = Low Shatter Risk.
†See CanolaCouncil.org for information on blackleg resistance classifications.
Disease Resistance: R = resistant.

CANTERRA SEEDS CANOLA

CS2600 CR-T

MERIDIAN SEEDS EXCLUSIVE | TRUFLEX™ CANOLA WITH ROUNDUP READY® TECHNOLOGY

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

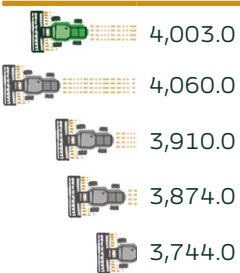
Agronomic Profile

	CS2600 CR-T
Flower Duration (days)	17
Days to Maturity	94
Plant Height (in)	47
Shatter Rating*	5

Disease Package

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

Yield (lb/ac)



Oil Content (%)

	CS2600 CR-T	
	47.2	
	CP9978TF	47.0
	DKTF91SCA19	46.4
	StarFlex	47.5
	Trial Mean	46.8

CANTERRA SEEDS CANOLA

CS3000 TF

MERIDIAN SEEDS EXCLUSIVE | TRUFLEX™ HYBRID WITH ROUNDUP READY® TECHNOLOGY

Mid-maturing TruFlex™ canola hybrid, featuring second-generation clubroot resistance and unique blackleg resistance. Straight-cut with excellent yield potential.

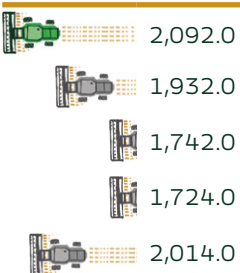
Agronomic Profile

	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)



Oil Content (%)

	CS3000 TF	
	40.8	
	7361RC	40.7
	CP9978TF	40.9
	CP9978TF	40.9
	Trial Mean	41.4

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

CS2600 CR-T sources: Company websites and 2019 NDSU Ext. Bulletin A1124-19 Table 8. | CS3000 TF sources: Company websites and 2022 NDSU Canola Variety Trial, Minot.
*Rating score provided by company based on scale developed by the Canola Council of Canada. 1 = High Shatter Risk, 9 = Low Shatter Risk.
†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.
Disease Resistance: R = resistant.

CANTERRA SEEDS CANOLA

CS3100 TF

MERIDIAN SEEDS EXCL. | TRUFLEX™ HYBRID W/ROUNDUP READY® TECH. | DL SEEDS

High-yielding, full-season TruFlex hybrid with a pod shatter resistance trait! First- and second-generation clubroot resistance and multigenic blackleg resistance.

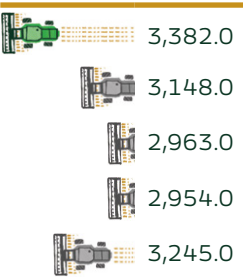
Agronomic Profile

	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)



Oil Content (%)

	CS3100 TF	Oil Content (%)
	DKTFLL21SC	40.9
	NC155TF	41.6
	LR344PC	41.5
	Trial Mean	42.0

CANTERRA SEEDS CANOLA

CS4000 LL

MERIDIAN SEEDS EXCLUSIVE | LIBERTYLINK® HYBRID

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

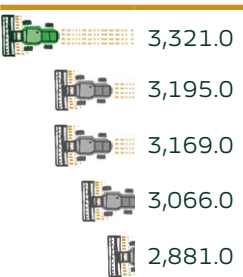
Agronomic Profile

	CS4000 LL
Flower Duration (days)	19
Days to Maturity	89
Plant Height (in)	52
Shatter Rating*	6

Disease Package

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

Yield (lb/ac)



Oil Content (%)

	CS4000 LL	Oil Content (%)
	L234PC	41.6
	DKLL82SC	42.2
	P501L	43.0
	Trial Mean	41.7

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

CS3100 TF sources: Company websites and 2022 NDSU Canola Variety Trial at Langdon, ND. | CS4000 LL sources: Company websites and 2020 NDSU Ext. Bulletin A1124-20 Table 10.
*Rating score provided by company based on scale developed by the Canola Council of Canada. 1 = High Shatter Risk, 9 = Low Shatter Risk.
†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.
Disease Resistance: R = resistant.

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

Canada

AAC MARVELOUS

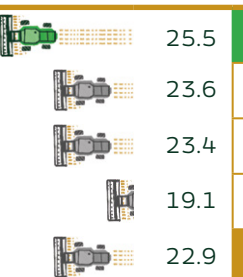
MERIDIAN SEEDS EXCLUSIVE | PVP

Brown flax with high yield, excellent standability, a strong disease package, and an indehiscent boll type.

Agronomic Profile

	AAC Marvelous
Days to 10% Bloom	47
Plant Height (in)	23
Test Weight (lb/bu)	54.0

Yield (lb/ac)



Oil Content (%)

	AAC Marvelous	Oil Content (%)
	ND Hammond	43.1
	CDC Glas	42.8
	York	46.9
	Trial Mean	44.3

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: 2020 NDSU Ext. Bulletin A-1105-20 Table 10.
Disease Resistance: R = resistant; MR = moderately resistant; I = intermediate, MS = moderately susceptible, S = susceptible.

FLAX
CDC NEELA

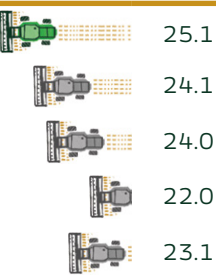
MERIDIAN SEEDS EXCLUSIVE | PVP

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

Agronomic Profile

	CDC Neela
Days to Flower	45
Plant Height (in)	26
Test Weight (lb/bu)	55.6

Yield (lb/ac)



CDC Neela	44.1
CDC Glas	44.7
York	43.9
ND Hammond	42.5
Trial Mean	44.2

Oil Content (%)

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: 2018 NDSU Ext. Bulletin A-1105-18 Table 9.
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	
BOLLES WB9668	AAC CONCORD MS BARRACUDA MS COBRA BRICK LANNING SY INGMAR WB9590	MS CHEVELLE MS RANCHERO FALLER SHELLY SY VALDA VIDA WB GUNNISON	LCS BUSTER LCS TRIGGER

HARD RED SPRING WHEAT

AAC CONCORD

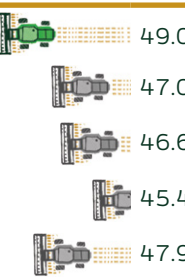
MERIDIAN SEEDS EXCLUSIVE | PVP PENDING

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

Agronomic Profile

	AAC Concord
Plant Height (in)	31
Test Weight (lb/bu)	58.2
Grain Yield (bu/ac)	49.0
Protein (%)	12.8

Yield (bu/ac)



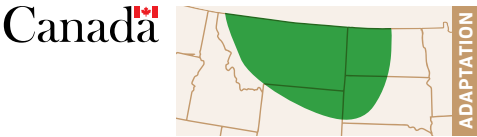
AAC Concord	12.8
Duclair	12.9
Choteau	13.4
Corbin	13.5
Trial Mean	13.3

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: 2019 MSU-CARC Spring Wheat Variety Trial, Geraldine, MT.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.



HARD RED SPRING WHEAT

MS BARRACUDA






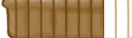




MERIDIAN SEEDS EXCLUSIVE | PVP

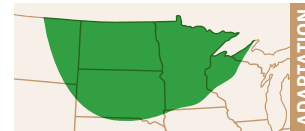
Great yield and protein all in one package! Early maturity and excellent standability with broad adaptability.

Agronomic Profile

	MS Barracuda
Days to Heading	57
Plant Height (in)	27
Lodging Score*	3
Test Weight (lb/bu)	58.7
Protein (%)	15.2

Yield (bu/ac)

 83.4	MS Barracuda	15.2	
 80.2	SY Valda	14.2	
 72.9	ND VitPro	15.6	
 72.5	Bolles	16.2	
 78.3	Trial Mean	15.0	



Disease Package

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

HARD RED SPRING WHEAT

MS CHEVELLE











MERIDIAN SEEDS EXCLUSIVE | PVP

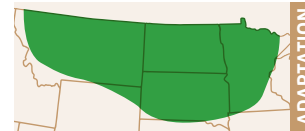
Proven long-term yield across the Northern Great Plains with moderate levels of protein.

Agronomic Profile

	MS Chevelle
Days to Heading	59
Plant Height (in)	28
Lodging Score*	5
Test Weight (lb/bu)	58.8
Protein (%)	13.9

Yield (bu/ac)

 73.7	MS Chevelle	13.9	
 72.6	Shelly	14.4	
 67.6	SY Soren	15.6	
 64.8	ND VitPro	15.6	
 69.9	Trial Mean	15.0	



Disease Package

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

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

MS Barracuda data source: 2019 NDSU Ext. Bulletin A-574. Yield recorded at Langdon, ND.

MS Chevelle data source: 2019 NDSU Ext. Bulletin A-574. Eastern ND 3-year yield and Statewide protein data reported.

*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 RANCHERO











MERIDIAN SEEDS EXCLUSIVE | PVP

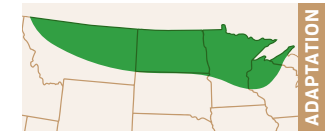
MS Ranchero has an emphasis on YIELD! Great overall disease package with R rating to stripe rust.

Agronomic Profile

	MS Ranchero
Plant Height (in)	30
Test Weight (lb/bu)	61.2
Falling Number (sec)	440
Certified Seed Only?	No

Yield (bu/ac)

 74.6	MS Ranchero	12.8	
 67.7	Allegiant 811	12.6	
 66.6	WB9590	11.6	
 65.4	Vida	13.0	
 67.1	Trial Mean	12.7	



Disease Package

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

HARD RED SPRING WHEAT

MS COBRA











MERIDIAN SEEDS EXCLUSIVE | PVP

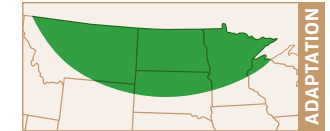
The definition of yield and protein balance. Excellent straw strength, test weight, and overall disease package.

Agronomic Profile

	MS Cobra
Days to Heading	30
Plant Height (in)	29
Lodging Score*	1.2
Test Weight (lb/bu)	60.2
Protein (%)	16.2

Yield (bu/ac)**

 83.0	MS Cobra	16.2	
 77.7	AP Smith	15.4	
 75.8	SY Ingmar	16.1	
 82.2	WB9590	15.7	
 82.7	Trial Mean	15.5	



Disease Package

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

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

MS Ranchero data source: 2020 on-farm unreplicated observation trial in Denton, MT.

MS Cobra data source: 2021 NDSU Spring Wheat Variety Trial, Grand Forks County, ND.

*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.

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

AC™ EMERSON

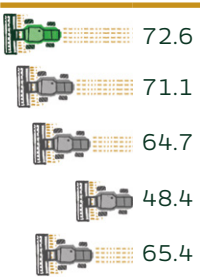
MERIDIAN SEEDS EXCLUSIVE | PVP

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

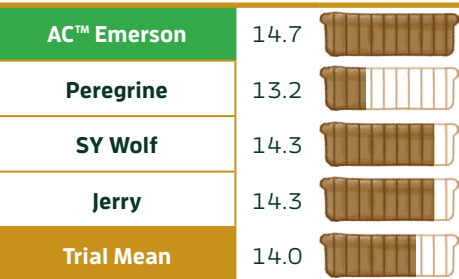
Agronomic Profile**

	AC™ Emerson
Days to Heading*	1
Plant Height (in)	32
Lodging Score†	2
Winter Hardiness‡	3
Test Weight (lb/bu)	60.1

Yield (bu/ac)



Protein (%)



Disease Package

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

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

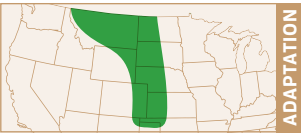
AC™ Emerson data source: 2020 NDSU Ext. Bulletin A1196-19. Three-year yield data and 2020 protein data recorded at Langdon, ND.
*Days to Heading measured relative to Jerry.
†1-9 Lodging Score Scale: 1 = no lodging, 9 = completely lodged. ‡1-10 Winter-Hardiness Scale: 1 = excellent, 10 = very poor.
Disease Resistance: R = resistant, MR = moderately resistant, I = intermediate, MS = moderately susceptible, S = susceptible.

HARD RED WINTER WHEAT

MS MAVERICK

MERIDIAN SEEDS EXCLUSIVE | PVP

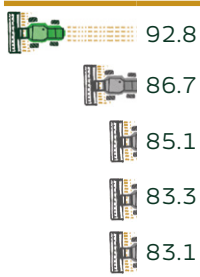
Broadly-adapted winter wheat with elite disease package, acid-soil tolerance, and desirable baking quality.



Agronomic Profile

	MS Maverick
Maturity	Medium-Late
Coleoptile Length	Medium-Long
Straw Strength	Medium
Plant Height	Medium-Tall
Protein	Above Average

Yield (bu/ac)**



Test Weight**

Test Weight**
59.9
59.3
59.1
60.0
59.6

Disease Package

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

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

MS Maverick data source: KSU Belleville, 2022.
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

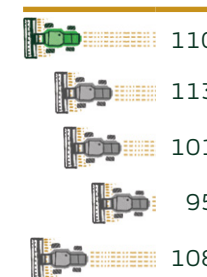
MERIDIAN SEEDS EXCLUSIVE | PVP

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

Agronomic Profile

	AAC Connect
Heading Date (days Julian)	178
Plant Height (in)	36.5
Lodging (%)	23.5
Test Weight (lb/bu)	50.9
Protein (%)	11.7

Yield (bu/ac)



Protein (%)

	AAC Connect	Protein (%)
AAC Connect	11.3	<div></div>
CDC Copeland	10.9	<div></div>
ABI Voyager	11.4	<div></div>
Conrad	10.9	<div></div>
Trial Mean	11.2	<div></div>

Disease Package

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

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

AAC Connect data source: 2019 University of Idaho Research Bulletin 202 (average across 2018 and 2019 southwestern and south-central Idaho trials and Table 55). Yield and protein data recorded at Soda Springs, ID (2019).
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

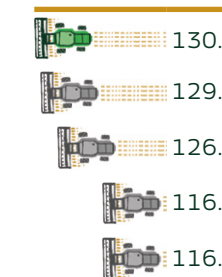
MERIDIAN SEEDS EXCLUSIVE | PVP

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	64
Plant Height (in)	33
Straw Strength	Strong
Test Weight	Good

Yield (bu/ac)



Test Weight (lb/bu)

	CS Camden	Test Weight (lb/bu)
CS Camden	32.6	<div></div>
Deon	36.2	<div></div>
Hayden	36.3	<div></div>
Newburg	33.1	<div></div>
Trial Mean	35.4	<div></div>

Disease Package

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

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

CS Camden data sources: 2019 NDSU Ext. Bulletin A1049-19, NDSU Carrington 3-year and NDSU Eastern 2019.
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



KATIE HEID
UPPER MIDWEST MANAGER
Serving Minnesota, North Dakota, and South Dakota
📞 701-566-1333
✉️ KHEID@MERIDIANSEEDS.COM



ANDY DRAEGER
GENERAL MANAGER
Serving Idaho, Oregon and Washington
📞 701-640-5703
✉️ ADRAEGER@MERIDIANSEEDS.COM



TROY GERDING
SALES & OPERATIONS MANAGER
Serving Colorado, Montana, Nebraska, Washington, and Wyoming
📞 320-248-2042
✉️ TGERDING@MERIDIANSEEDS.COM

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 Seedwest217-412-0505

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
Napoleon.....	Four Star Farm Services (Troy Jangula).....	701-321-2030
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
Rock Lake.....	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

NOTES



☎ 866-282-SEED ✉ INFO@MERIDIANSEEDS.COM 🌐 MERIDIANSEEDS.COM
16553 37TH ST SE, SUITE 3, MAPLETON, ND 58059