
Can(ola) we grow it?

And other seeding considerations



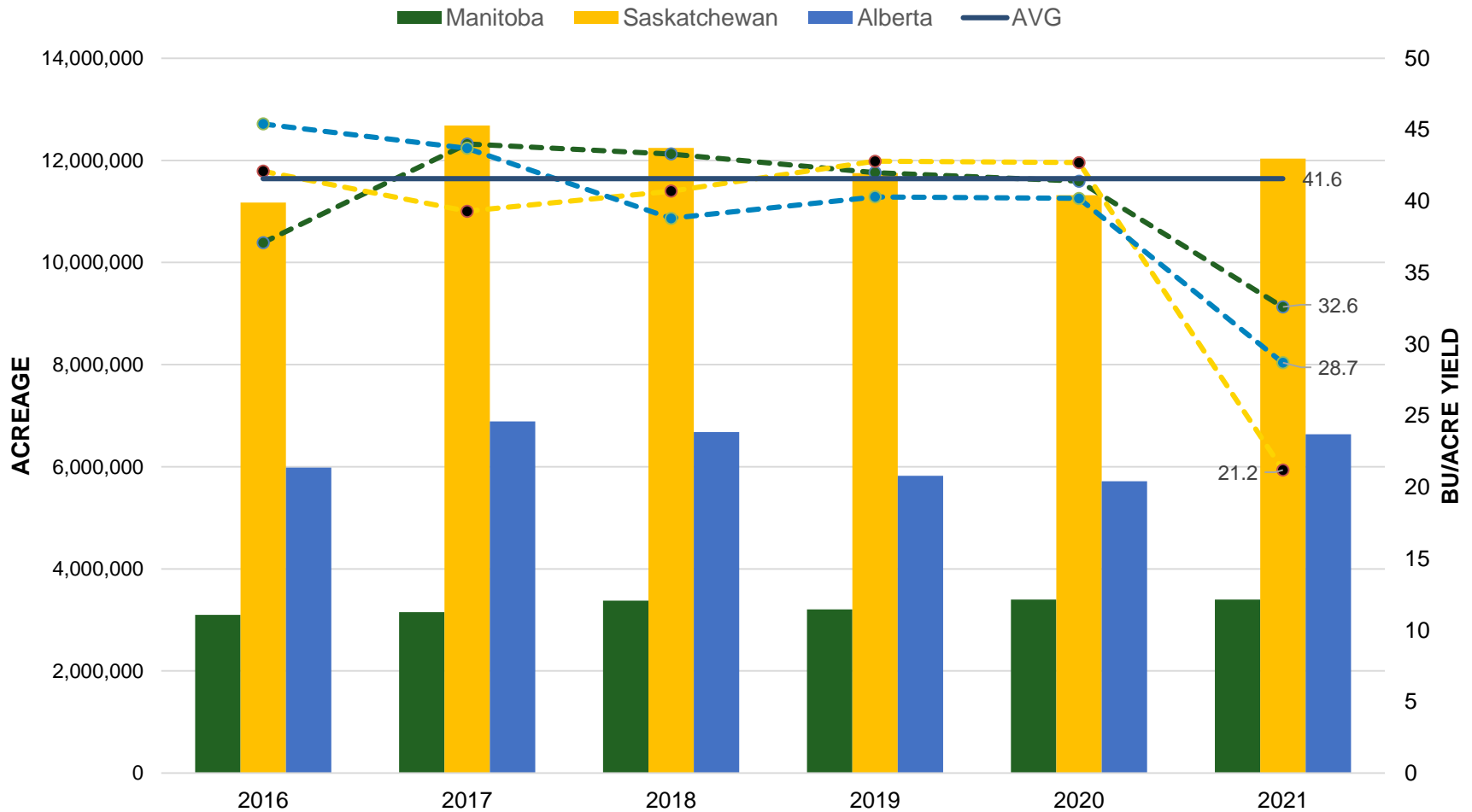
Spring Oilseed Update

February 2022

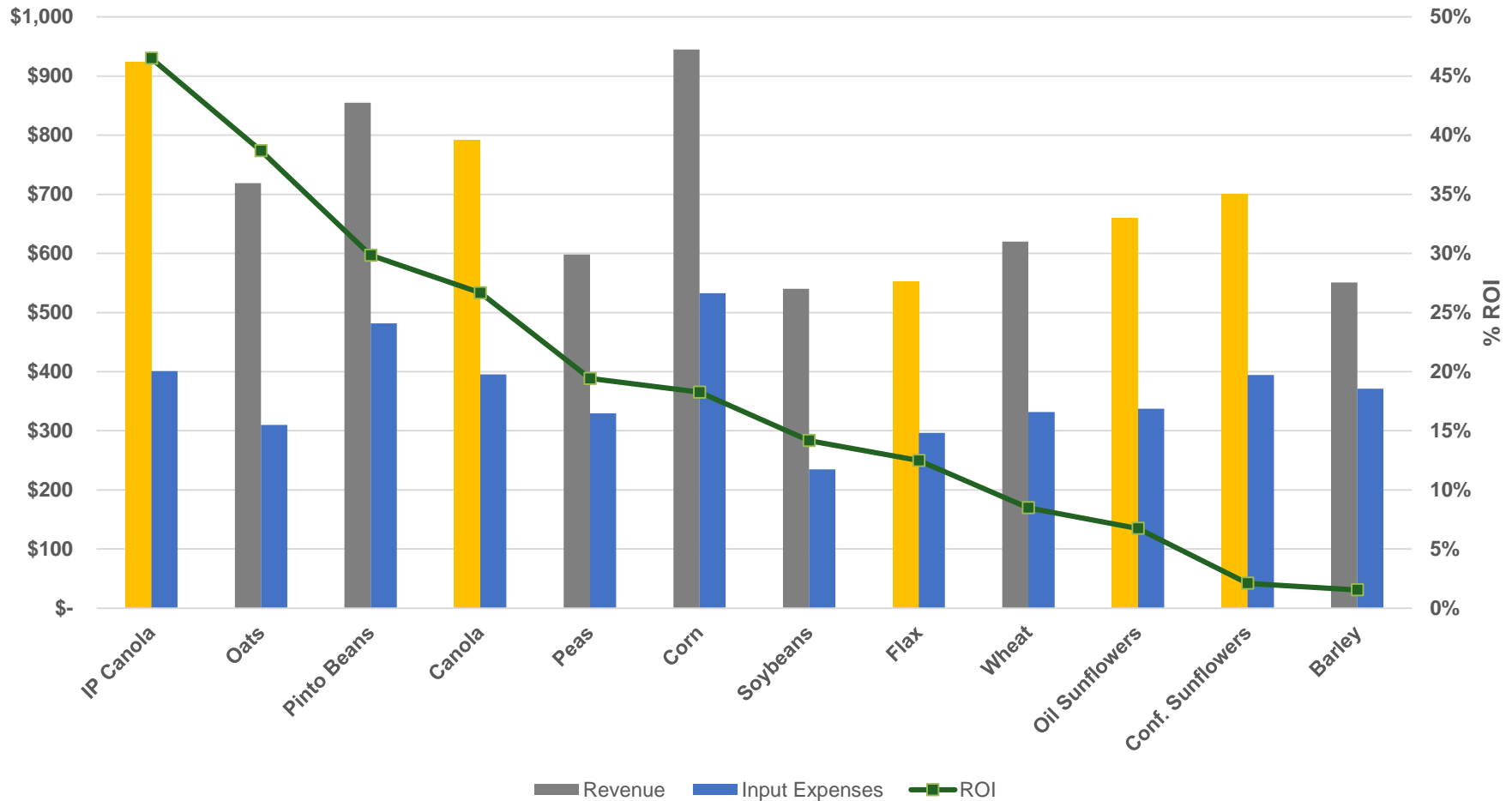
Topics for Today

- Economics of rotation
 - Oilseed crop choice – sunnies, soys, flax or canola?
 - Crop Planning Calculator
- Seeding considerations
 - Canola Seed Treatments
 - Seeding Rate Calculator

5-Year Prairie Average Canola Yield & Acreage



Oilseed Economics



Search "MB Ag Cost of Production" to get the worksheet

Crop Production Costs 2022

February 15, 2022

	Conf Sun	Oil Sun	Canola	IP Canola	Flax	CWRS	Oats	Soybeans	Corn
Total Acres	160	160	160	160	160	160	160	160	160
Price/bu/cwt CDN	\$45.00	\$33.00	\$18.00	\$21.00	\$23.00	\$10.00	\$6.25	\$15.00	\$7.00
	CWT	CWT	BU	BU	BU	BU	BU	BU	BU
Yield/bu or /cwt	20.00	20.00	44.00	44.00	24.00	62.0	115.0	36.00	135.0
Gross / acre	\$ 900.00	\$ 660.00	\$ 792.00	\$ 924.00	\$ 552.00	\$ 620.00	\$ 718.75	\$ 540.00	\$ 945.00
VARIABLE COSTS									
-Seed	56.70	46.00	67.50	63.00	64.96	32.50	35.00	97.10	99.20
Pesticides	82.39	49.76	46.38	61.38	36.51	53.17	23.25	19.33	41.13
Pesticide Application	18.00	18.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
-Fertilizer	150.16	150.16	212.24	212.24	121.16	178.77	167.17	45.36	249.76
-Crop Insurance	37.22	23.53	12.14	12.14	18.18	9.06	20.19	18.67	42.64
-Fuel & Lubrication	29.80	29.80	28.05	28.05	26.50	29.39	35.45	25.20	35.97
-Repairs	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
-Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00
-Miscellaneous	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
TOTAL VARIABLE COST	394.27	337.25	395.31	405.81	296.31	331.89	310.06	234.66	532.70
Net \$/acre	505.73	322.75	396.69	518.19	255.69	288.11	408.69	305.34	412.30
Fixed Costs (Exp. Land, Equipment)	146.20	146.20	146.20	146.20	146.20	146.20	146.20	146.20	146.20
TOTAL COST	540.47	483.45	541.51	552.01	442.51	478.09	456.26	380.86	678.90
Net \$/acre After Fixed Costs	359.53	176.55	250.49	371.99	109.49	141.91	262.49	159.14	266.10
Crop Insurance Coverage	531.00	563.00	574.00	574.00	375.00	485.00	540.00	387.00	771.00
Best Profitability	2	6	5	1	9	8	4	7	3

Search "MB Ag Cost of Production" to get the worksheet

Choosing an Oilseed

- Hard to find flax and sunflower seed now
 - If you have bin-run flax, do a germination test first!
 - Know your weed spectrum before starting
- Canola seed supply ok, but herbicide may be \$\$
- Contracts are still available for Nexera, Clearfield
 - May come with AoG clause
 - May have on-farm pickup option

Relative Stubble Yield Response



	Crop Planted							
Prev. Crop	Spring Wheat	Oats	Canola	Flax	Peas	Soybean	Sunnies	Corn
Spring Wheat	85	93	101	102	101	101	102	96
Oats	90	77	98	98	91	99	99	95
Canola	100	100	93	93	104	100	87	98
Flax	95	91	100	81	90	100	89	97
Peas	104	106	107	126	--	99	74	99
Soybeans	107	109	102	106	106	95	108	102
Sunnies	94	101	91	95	--	91	--	87
Corn	99	109	108	114	96	98	112	90

Yield response (% of 2011-2020 average) of MB crops sown on fields larger than 120 acres.

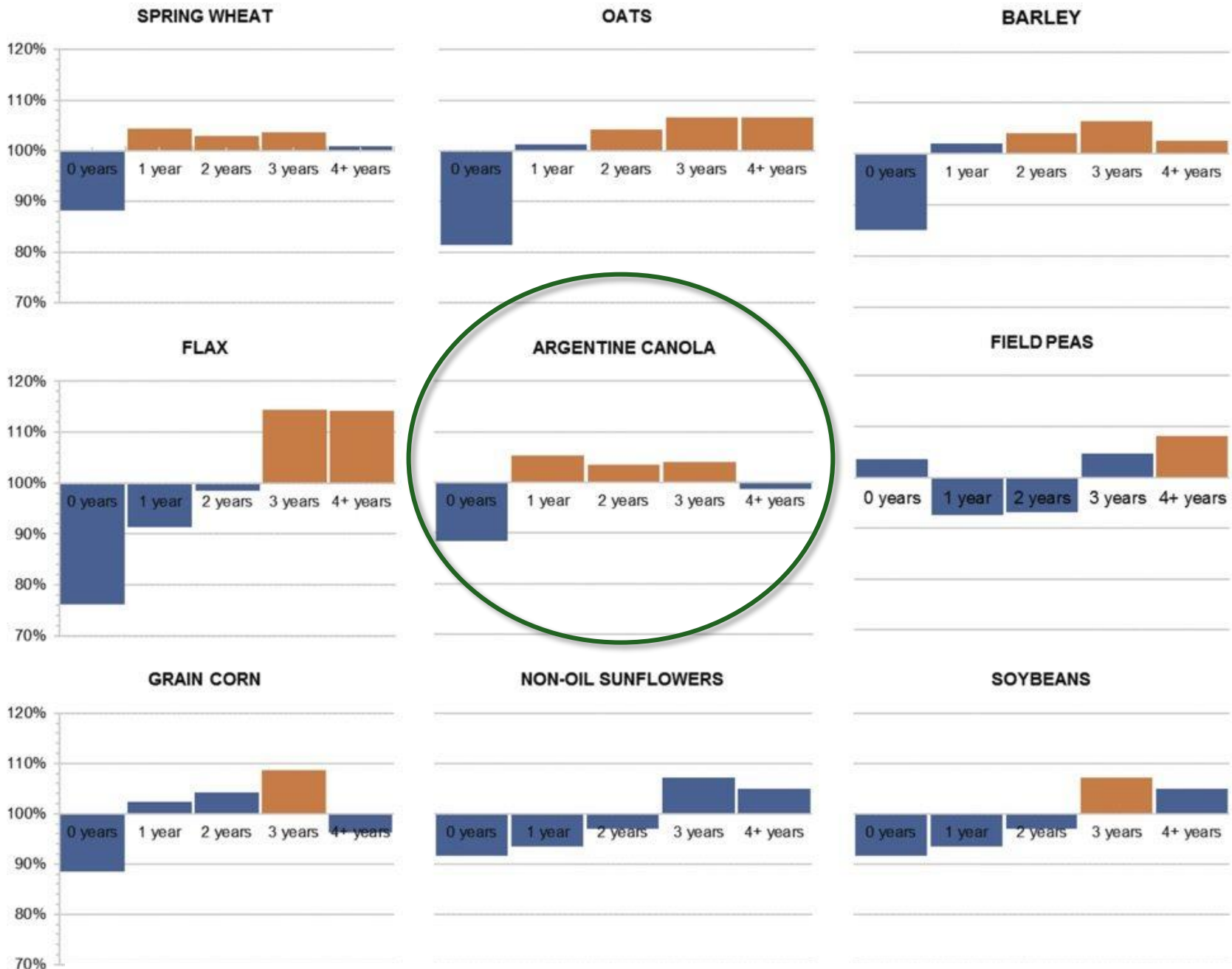


FIGURE 1: Yield response of Manitoba crops sown on large (>120 acre) fields with specified break years from previous same crop in rotation (2000 -2016), expressed as a percent deviation from average photo: MASC

Section II

CANOLA SEED TREATMENTS

Canola Seed Treatments

Standard Options



- On most seed brands as base treatment

Vercoras[®]

Seed Treatment

- Base treatment for InVigor
- Has extra BL fungicide vs Prosper Evergol alone

Purpose

- Combination products, protect against:
 - Blackleg
 - Alternaria
 - Seedling root diseases
 - Flea beetles (mainly crucifer)
- Multi-group fungicide
- Group 4A insecticide (neonic)
 - *Thiamethoxam* (Helix)
 - *Clothianidin* (Vercoras)

Canola Seed Treatments

Specialty Options



- Enhanced seed and airborne blackleg control

Purpose

- Single-ingredient product
 - *Pydiflumetofen* (Group 7), an SDHI fungicide
- Compatible with Helix Vibrance, Prosper Evergol, Fortenza, and Fortenza Advanced
- Optional add-on available on BrettYoung, Canterra, Proven Seeds

Canola Seed Treatments

Specialty Options

Lumiderm™



Purpose

- Primarily a **cutworm** product, with moderately improved FB control over base treatments
- Optional add-on for most canola brands, +\$50-80/bag
- Specifically intended for FB control, perhaps a little longer-lasting in-field than other products
 - *Flupyradifurone* (Gr. 4D), works systemically, relying on FB contact or ingestion for paralysis
- Standard treatment for Dekalb
- Optional add-on for Canterra, BrettYoung, Proven Seed, +\$70-80/bag



Canola Seed Treatments

Enhanced Options



Combination of:

- Helix Vibrance (3, 4, 7, 12 + 4A)
- *sulfoxaflor* insecticide (Gr. 4C)
- *cyantraniliprole* insecticide (Gr. 28)
 - AKA Fortenza/Lumiderm

Available on multiple brands


Purpose

- Improved flea beetle control over base treatments
 - *Sulfoxaflor* works via both contact and ingestion
 - *Cyantraniliprole* works via ingestion
- Systemic – causes paralysis

Section III

CANOLA SEEDING RATE CALCULATOR

canolacouncil.org/calculator/

 **canola council**
OF CANADA

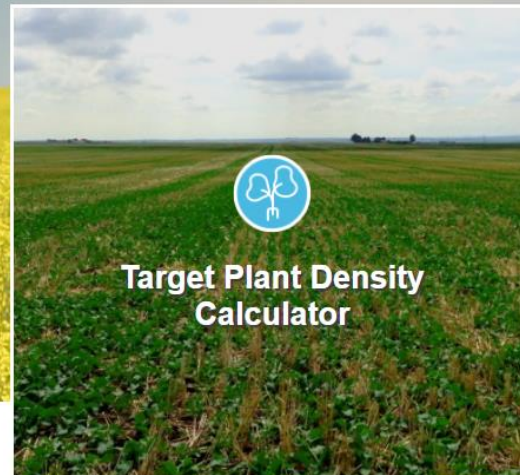
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Minimize your **risk** and maximize your **profit**
with this suite of **canola tools**



Calculate your optimum canola seeding rates and seed cost or use this calculator after seeding to understand your emergence



Learn how to set a target plant density in plants/ft² or plants/m² that fits with your individual field conditions, abilities and appetite for risk



Enter plant densities and calculate emergence in this survey of crowd-sourced canola plant establishment data.

Growing Oilseed Sunflowers



Field Selection

Sunflowers grown for oil have black hulls and have three groupings based on their oil profile: traditional, and clay soils with good tolerance of herbicide residual and nia infection within the field. Oilseed

Growing Flax



November 2021

Field Selection

Flax grows well on most soils, except those that are poorly drained, and very sandy soils with poor water retention. Avoid following flax on canola stubble, as phosphorus uptake in flax will be reduced. Flax responds well to fertile soils, and is less responsive to synthetic phosphorus fertilizers in the year of application.

Seeding

Seeding Date

Sow flax between May 1 and May 31. Early sown flax usually produces the highest yields, oil content and best quality straw. Later seeding may result in taller crop height, at greater risk of lodging or straw management at harvest.

Temperature

Flax will germinate fastest at soil temperatures

Target Plant Stand and Seeding Rate

Target plant stands range from 37 to 56 plants/ft². This is achieved using a seeding rate of between 35 to 42 lbs/acre. Typical emergence for flax is 50 to 60%. If ground is prone to crusting, seeding late, or weed pressure is heavy, consider seeding at higher rates, up to 56 lbs/acre (1 bu/acre).

Seeding Depth and Spacing

Optimal planting depth for flax is 1 to 1.5 inches.

typically emerge 12 to 15 days after seeding since sunflowers can emerge up to V4 (4-leaf stage)

Oilseed sunflowers are typically seeded in 15-inch rows. Plant spacing

Search “MB Ag Current Crop Topics”

Thank you!

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