

# Cereal Grains

Variety	Best Use (Grain or Forage)	Dryland Seeding Rate	Irrigated Seeding Rate	Seeding Depth (in)	Estimated Seed Count	Planting Time
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## Oats

<b>Buffalo</b>	Grain	80 lbs/acre	100 lbs/acre	1-1.5	13,000/lb	March – May
<b>Reins</b>	Grain	80 lbs/acre	100 lbs/acre	1-1.5	13,500/lb	March – May
<b>Rushmore</b>	Grain	80 lbs/acre	100 lbs/acre	1-1.5	13,000/lb	March – May
<b>SD Momentum</b>	Grain	80 lbs/acre	100 lbs/acre	1-1.5	12,500/lb	March – May
<b>SD Ranger</b>	Grain	80 lbs/acre	100 lbs/acre	1-1.5	13,000/lb	March – May
<b>Goliath</b>	Dual-Purpose	80 lbs/acre	100 lbs/acre	1-1.5	12,000/lb	March – May
<b>Jerry</b>	Forage	80 lbs/acre	100 lbs/acre	1-1.5	12,000/lb	March – May
<b>Morton</b>	Forage	80 lbs/acre	100 lbs/acre	1-1.5	12,000/lb	March – May

## Barley

<b>Tradition</b>	Grain	1 1/2 bu/acre	2 bu/acre	1-1.5	14,000	March – May
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Milo	Maturity	Dryland Seed- ing Rate (lbs/acre)	Irrigated Seeding Rate (lbs/acre)	Seeding Depth (in)	Days to Mid-Bloom
<b>MS 5085</b>	Ultra Early	4-6	6-8	1 - 1.5	50-52
<b>MS 5690</b>	Early	4-6	6-8	1 - 1.5	54-58
<b>MS 6500</b>	Medium Early	4-6	6-8	1 - 1.5	64-66

Rye Grain	Maturity	Dryland Seeding Rate	Yield Potential	Winter Survival	Height (in)
<b>Elbon</b>	Early	1-2 bu/acre	Cover Crop	Average	48-60
<b>Hazlet</b>	Medium Early	1-2 bu/acre	Cover Crop	Excellent	36-48
<b>Rise Up</b>	Early	56-112 lbs/acre	Cover Crop	Excellent	36-48
<b>Hybrid SU Performer</b>	Medium	0.8 - 1 unit/acre or 800,000 - 1,000,000 seeds/acre	Highest	Very Good	40-48
<b>Hybrid SU Perspectiv</b>	Early	0.8 - 1 unit/acre or 800,000 - 1,000,000 seeds/acre	High	Excellent	35-40

	Days to Harvest	Vegetative Height (in)	Lodging Score	Origin Year	Maturity	Stem Rust	Crown Rust	BYDV Score	Avg Yield	Avg Test Weight
Early-Maturing Group	80–85	32	2.8	2021	Early	MR	9	4	92.5	32.5
	80–85	30–36	2.7	2016	Early	R	8	4	89.5	33.6
	80–85	32	2.9	2019	Early	N/A	6	3	85.1	34.8
	85–90	34–38	3	2020	Medium	MR	8	4	91.2	33.3
	80	40	3.6	2024	Early	R	4	3	116	34.2
	80	40–50	3.1	2012	Late	R	8	4	90.8	33.8
	85–90	40–48	3.3	2001	Medium	MR	6	4	88.2	32
	85–90	42–50	3.6	2003	Medium	MR	7	4	89	31.9
Late-Maturing Group										
85–90	34–38	N/A	N/A	Medium	N/A	N/A	N/A	80	48	
Grain Quality & Maturity	Days to Maturity		Grain Color		Panicle Type		Standability		Head Exertion	
	85-90		Red		Semi-Open		5		5	
	90-95		Bronze		Semi-Open		4		4	
	98-100		Red		Semi-Open		4		5	

Milo Agronomic Ratings: 1=Poor, 5=Excellent