

	Grain	Silage
Planting Date	April I to May I5	April I to May 22
Seeding Rates	22,000 to 30,000	24,000 to 34,000
Seeding Depth	1.5 inches	1.5 inches
Row Width	30 inches	30 inches or less
Hybrid Maturity	110 to 118	110 to 120
Nitrogen	120 to 200 lbs	120 to 200 lbs
Phosphorus (P2O5)	Critical value: 60 Ibs/A	Critical value: 60 Ibs/A
Potassium (K2O)	Critical value: 300 Ibs/A	Critical value: 420 Ibs/A
Tillage	Only to break up compaction	Only to break up compaction
Weed Control	Critical	Critical
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	Grain	Silage
Hybrid Type	High Grain Yield	Tonnage vs. Quality
Stalk Strength	Very Important	Somewhat Important
Insect Resistance	Important	More Important
Disease Tolerance	Important	Important
Harvest Timing	30% to 15% grain moisture	65% to 70% moisture and about ³ ⁄4 milk-line
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	iyona renormance	Milk	Toos/A	Milk Y	ield 3	NEL ⁴	NEG	ues), ro	Oua Oua	lity %	
Brand	Hybrid	Line '	35% DM 2	lbs/Ton	Ibs/A	Mcal/lb	Mcal/lb	CP	ADF	NDF	Lignin
Asgrow	RX 940 RR2	0.38	24.1	3314	27939	0.77	0.50	7.8	25	42	3.4
Becks	6733 HXR	0.42	23.5	3486	28577	0.79	0.53	8.1	24	40	3.3
Becks	6903 HR	0.42	25.3	3406	30085	0.77	0.50	7.8	24	41	3.3
Caverndale Farms	CF 1026 GT	0.25	21.1	2918	21405	0.66	0.41	6.9	30	50	4.3
Caverndale Farms	CF 926 GT	0.30	22.0	3315	25606	0.76	0.49	76	25	42	3.4
DeKalb	DKC 64-69	0.54	24.1	3176	26735	0.75	0.49	7.5	25	44	3.3
DeKalb	DKC 66-96	0.38	25.4	3544	31421	0.82	0.55	7.5	20	36	2.9
Dyna-Gro	D58VP30	0.33	26.8	3445	32309	0.81	0.54	7.8	22	38	2.9
Dyna-Gro	V5683VT3	0.42	25.5	3245	28907	0.77	0.51	7.7	24	41	3.2
Mycogen	TMF2H918	0.25	25.2	3084	27198	0.70	0.43	8.1	28	46	4.6
hik Seeds	N73V-3000CT	0.46	24.1	3411	26/39	0.78	0.46	7.9	25	47	3.0
NK Seeds	N82V-3000GT	0.42	26.1	3390	30842	0.80	0.53	7.5	22	38	3.1
Pioneer	31G67AMI BLEND	0.38	22.1	3263	25142	0.74	0.48	7.8	26	44	3.5
Pioneer	P1615 HR	0.46	24.1	3286	27558	0.76	0.49	7.5	25	42	3.3
Seed Consultants	SCS11HQ38	0.46	21.5	3316	24894	0.76	0.49	8.0	26	43	4.2
Seed Consultants	SCSTIHR70	0.42	24.7	3290	28320	0.75	0.49	7.3	24	41	3.6
Southern States	SS 818 GENVT3PRO	0.38	23.5	3180	26113	0.74	0.47	7.7	27	44	3.9
Wyffels Hybrids	W7213	0.42	25.2	3390	29873	0.80	0.52	8.1	21	37	3.1
Wyffels Hybrids	W8681	0.46	22.0	3469	26729	0.78	0.51	7.8	25	42	3.4
	LSD (0.10)	0.09	3.7								
	CV	24	11.6								
Mill line measures the	Grand Mean	0.39	23.9	_							
Yields adjusted to 35%	dry matter: highest numeric	al vield is boi	d with gray box	Ran	ne. T	ons/	$\Delta \cdot 21$	1 to	26.8	2	
Milk Yield was calculat	ed with Milk 2000. Milk per t	on of silage	was rounded to	T Carry	ye. i	0113/1	ι. <u>Ζ</u> ι	. 1 10	20.0	,	
Net energy for lactation	on (NEL) and gain (NEG).	enter trend for		I SD	· 0 0	9 ton	ς/Α				
Quarty measurements	t based on ony weight and are	carculated 1	rom composite	200	. 0.0	0 1011	0// (
				Ran	ne.V	/lilk Y	'ield//	4·20	218 to	n 354	14
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Nutrie	ent Remo	oval Ra	tes			
	Removal	Rate	Forag	eYield	Nutrients I	Removed
	Phosphorus P	otassium	МП	Fresh	Phosphorus P O	Potassium K O
	lbs/to	n ₂ 0	Tor	ns/A	lbs/a	cre
Corn Silage	3.5	8	7.9	22.6	79.1	180.8
Wheat silage	4	20	2.4	6.9	27.87	138.9
Total					107	320
Corn Silage	3.5	8	10.5	30.0	105	240
Wheat silage	4	20	2.4	8.0	32	160
Total					137	400
UKAo						

Source	unit	Water %	N P2Os K2O Ibs/unit Ibs/unit Ibs/unit Assume 95% organic material in dry matter 40 to 45% carbon by weight in dry matter					in dry matter n dry matter		
Dairy Cattle	ton	80%	11	9	12			, ,	,	
Beef	ton	80%	11	7	10					
			Nitro	ogen	Phosphoru	ıs	Potassium	Sulfur	Organic	
			N		P ₂ O ₅		K ₂ O	S	Carbon	
Source	Rate	unit		lbs/acre						
Dairy Cattle	2	ton	2	2	18		24		320	
Dairy Cattle	4	ton	4	4	36		48		640	
Beef	2	ton	2	2	14		20		320	
Beef	4	ton	4	4	28		40		640	
	AGR-1: Lime and Fertilizer Recommendations									

		Soil Drainage Class ²				
Previous Crop	Tillage ¹	Well- Drained	Moderately Well- Drained	Poorly Drained		
Corn, sorghum, soybean, small	Intensive	100-140	140-175	175-200		
grain, fallow	Conservation	125-165	165-	200		
Grass. grass-legume sod (4 vr or	Intensive 75-115		115-150	150-175		
less), winter annual legume cover	Conservation	100-140	140-	175		
Grass, grass-legume sod (5 yr or	Intensive	50-90	90-125	125-150		
more)	Conservation	75-115	115-150			
Intensive tillage has less than 30% residue co planting. Soil drainage class examples are given on pag	ver, and conservation ti e 3.	llage has more tha	n 30% residue cove	r on the soil at		

