

Sugar beet, Sidney Sugar

Yield goal tons/ acre	Nitrogen soil + fertilizer	Soil test phosphorus (ppm)									Soil test potassium (ppm)							
		Olsen	0-3	4-7	8-11	12-15	16-19	20-40	41-75	76+	0-40	41-80	81-120	121-160	161-200	201-250	251-750	750+
		Bray	0-5	6-10	11-15	16-20	20-25	26-53	54-100	101+								

AGVISE Broadcast

lb/acre N		lb/acre P ₂ O ₅								lb/acre K ₂ O							
16	110	70	55	45	35	20	0	0	0	95	75	50	30	0	0	0	0
18	125	75	65	50	40	25	0	0	0	110	85	55	30	0	0	0	0
20	140	85	70	55	40	30	0	0	0	120	90	65	35	0	0	0	0
22	155	95	80	60	45	30	0	0	0	135	100	70	40	0	0	0	0
24	165	100	85	70	50	35	0	0	0	145	110	75	40	0	0	0	0
26	165	110	90	75	55	35	0	0	0	160	120	85	45	0	0	0	0

AGVISE Broadcast/Maintenance

16	110	70	55	45	35	30	30	0	0	95	75	50	50	0	0	0	0
18	125	75	65	50	40	30	30	0	0	110	85	55	55	0	0	0	0
20	140	85	70	55	40	35	35	0	0	120	90	65	60	0	0	0	0
22	155	95	80	60	45	40	40	0	0	135	100	70	65	0	0	0	0
24	165	100	85	70	50	40	40	0	0	145	110	75	70	0	0	0	0
26	165	110	90	75	55	45	45	0	0	160	120	85	80	0	0	0	0

AGVISE Band

16	110	35	30	25	20	15	10*	10*	0	50	35	25	10	0	0	0	0
18	125	40	35	30	25	20	10*	10*	0	55	40	25	10	0	0	0	0
20	140	45	40	30	25	20	10*	10*	0	60	45	30	15	0	0	0	0
22	155	50	40	35	30	20	10*	10*	0	70	50	35	15	0	0	0	0
24	165	50	45	40	30	25	10*	10*	0	75	55	35	15	0	0	0	0
26	165	55	50	40	35	25	10*	10*	0	80	60	40	20	0	0	0	0

AGVISE Band/Maintenance

16	110	35	30	30	30	30	30	10*	0	50	50	50	50	0	0	0	0
18	125	40	35	30	30	30	30	10*	0	55	55	55	55	0	0	0	0
20	140	45	40	35	35	35	35	10*	0	60	60	60	60	0	0	0	0
22	155	50	40	40	40	40	40	10*	0	70	65	65	65	0	0	0	0
24	165	50	45	40	40	40	40	10*	0	75	70	70	70	0	0	0	0
26	165	55	50	45	45	45	45	10**	0	80	80	80	80	0	0	0	0

University Broadcast

16	110	60	45	25	10	0	0	0	0	90	60	35	10	0	0	0	0
18	125	70	50	30	10	0	0	0	0	100	70	40	10	0	0	0	0
20	140	75	55	35	10	0	0	0	0	110	75	45	10	0	0	0	0
22	155	85	60	35	15	0	0	0	0	120	85	45	10	0	0	0	0
24	165	90	65	40	15	0	0	0	0	130	90	50	10	0	0	0	0
26	165	100	70	45	15	0	0	0	0	145	100	55	10	0	0	0	0

Nitrogen guidelines suggested by Sidney Sugar.

*Starter rate only

All the nitrogen in the 0-48 inch profile is considered available.

Example: 0-24 N = 70 lb/ac; 24-28 N = 30 lb/ac. Calculated Available N = (70 + 30) = 100 lb/ac.

Total soil plus fertilizer nitrogen should not exceed 165 lb/ac.