

2020 BSDL Sugar Beet Production Challenges Survey (U.S.)

Production Challenge	Total Average Value Lost Per Production Challenge		Total Challenged Acres	
	Without Management	With Management	Without Management	With Management
Storage	\$ 325,650,400	\$ 120,563,750	822,772	542,890
Cercospora	\$ 535,705,450	\$ 108,036,250	929,143	575,225
Weed Control	\$ 680,668,450	\$ 89,024,300	1,151,437	479,778
Rhizoctonia	\$ 320,798,400	\$ 59,557,175	822,640	433,929
Aphanomyces	\$ 243,293,750	\$ 42,771,900	684,625	366,570
Rhizomania	\$ 439,492,200	\$ 16,520,000	933,862	152,000
Root Maggot	\$ 144,388,850	\$ 16,395,000	379,253	107,510
Aphids (Root & Black Bean)	\$ 79,135,200	\$ 9,468,660	265,838	77,968
Fusarium	\$ 54,825,440	\$ 9,379,700	192,578	76,751
Nematode	\$ 126,569,880	\$ 3,950,000	231,333	28,000
Curly Top	\$ 257,326,000	\$ 511,200	242,626	3,187
Lygus	\$ 9,000,000	\$ 375,000	60,000	15,000
WireWorm	\$ 16,017,800	\$ -	44,232	-
Total	\$ 3,232,871,820	\$ 476,552,935	6,760,339	2,858,808

Market	2020 Acres
Wyoming Sugar	11,940
Western Sugar	110,862
Spreckels Sugar	24,000
SMBSC	120,000
Sidney Sugars	32,000
Minn-Dak	107,000
Michigan Sugar	164,000
American Crystal	409,000
Amalgamated	180,000
Total	1,158,802

Definitions - Production Challenges Survey

Challenged Acres <i>without management</i>	Production acres that will suffer an economic production loss due to a specific challenge if the challenge is not managed
Challenged Acres <i>with management today</i>	Production acres that suffer an economic production loss due to a specific challenge today with the management of the challenge employed
Economic production loss	A loss in sugar yield that exceeds 5% of gross grower payment for the acre as determined by each cooperative
Management of challenge	An applied crop input, seed treatment, agronomic practice or genetic trait that reduces the impact of the economic production loss from a challenge
Market Acres	Average production acres as set by each cooperative
Future Risk of Challenge	Assessment of the management of the challenge based on what you know today
Agronomic practice	crop rotation, soil amendments, cultivation