



American Crystal Sugar Company Variety Selection Checklist

Field ID _____ Variety 1 _____ Variety 2 _____ Variety 3 _____

Cercospora Management Program

Number of fungicide applications anticipated
 1 application = 4.4 Cercospora rating or less
 1-2 applications = 4.8 Cercospora rating or less
 3 or more applications = Any Cercospora rating

Note: Varieties with higher Cercospora ratings may require earlier and more frequent fungicide applications. Environmental conditions may require increasing the overall number of applications.

Root diseases present

Aphanomyces

None Aph rating 1 - 9.0
 Slight Aph rating 1 - 5.5
 Moderate Aph rating 1 - 5.0 + Tachigaren
 Severe Aph rating 1 - 4.5 + Tachigaren

Rhizoctonia

None Rzc rating 1 - 7.0
 Slight Rzc rating 1 - 5.0
 Moderate Rzc rating 1 - 4.0
 Severe Rzc rating 1 - 3.0

Fusarium

None Fusarium rating 1 - 9.0
 Slight Fusarium rating 1 - 5.0
 Moderate Fusarium rating 1 - 4.5
 Severe Fusarium rating 1 - 4.0

Rhizomania

None Ploidy level 2N/3N
 Slight Ploidy level 2N/3N
 Moderate Ploidy level 2N
 Severe Ploidy level 2N

Cercospora Rating	_____	_____	_____
Aphanomyces Rating	_____	_____	_____
Rhizoctonia Rating	_____	_____	_____
Fusarium Rating	_____	_____	_____
Rhizomania Ploidy Level	_____	_____	_____
Field Emergence %	_____	_____	_____
	% of Mean	% of Mean	% of Mean
Yield	_____	_____	_____
Sugar Percent	_____	_____	_____
SLM	_____	_____	_____
Recoverable Sugar per Ton	_____	_____	_____
Recoverable Sugar per Acre	_____	_____	_____
Revenue per Ton	_____	_____	_____
Revenue per Acre	_____	_____	_____

Field Emergence

Seedbed Condition Fair Top 25% of varieties based on Field Emergence %
 Good Top 50% of varieties based on Field Emergence %
 Excellent Any Field Emergence%

Seed Spacing < 4.5" Any Field Emergence%
 4.5" - 5.25" Top 50% of varieties based on Field Emergence %
 > 5.25" Top 25% of varieties based on Field Emergence %

Note: American Crystal's Ag staff recommend seed spacings of 4.3" - 4.7" for optimum yield & quality. XBEET ® has given benefit on all varieties & may give greater benefit on lower "Field Emergence %" varieties.

Note: Consider the use of Round Up Ready® sugarbeet seed in fields with heavy weed pressure or hard to control weeds, such as Kochia, Lanceleaf sage, Velvetleaf, Venus mallow and Quackgrass. In fields with easy to control weeds, consider either conventional varieties or Round Up Ready® varieties.

