

## 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 or less Cercospora rating	Cercospora Rating	_____	_____	_____
1-2 applications =	4.4 - 4.8 Cercospora rating	Aphanomyces Rating	_____	_____	_____
3 or more applications =	4.8 - 5.2 Cercospora rating	Rhizoctonia 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 Disease Management (if present)**

Aphanomyces	None	Aph rating 9.0 or less	Rhizomania - Dual	<u>Yes or No</u>	<u>Yes or No</u>	<u>Yes or No</u>
	Slight	Aph rating 5.5 or less	Field Emergence %	_____	_____	_____
	Moderate	Aph rating 5.0 or less + Tach 20				
	Severe	Aph rating 4.5 or less + Tach 45				
				% of Mean	% of Mean	% of Mean
Rhizoctonia	None	Rzc rating 7.0 or less	Yield	_____	_____	_____
	Slight	Rzc rating 5.0 or less	Sugar %	_____	_____	_____
	Moderate	Rzc rating 4.0 or less				
	Severe	Rzc rating 3.0 or less				
Fusarium	None	Fus rating 9.0 or less	SLM	_____	_____	_____
	Slight	Fus rating 5.0 or less	Rec Sugar / Ton	_____	_____	_____
	Moderate	Fus rating 4.0 or less				
	Severe	Fus rating 3.0 or less				
Rhizomania *	None	Single or Dual Rzm	Rec Sugar / Acre	_____	_____	_____
	Slight	Single or Dual Rzm	Revenue / Ton	_____	_____	_____
	Moderate	Dual Rzm genes				
	Severe	Dual Rzm genes	Revenue / Acre	_____	_____	_____

**Field Emergence**

Seedbed Condition	Fair	Top 25% of varieties for field emergence %
	Good	Top 50% of varieties for field emergence %
	Excellent	Any field emergence %
Seed Spacing	4.5" or less	Any field emergence %
	4.5" - 5.0"	Top 50% of varieties for field emergence %
	5.0" or more	Top 25% of varieties for field emergence %

Note: Consider the use of Roundup 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 Roundup Ready® varieties.

Note: American Crystal's Ag staff recommends seed spacings of 4.3" - 4.7" for optimum yield and quality.

\* Dual Rzm varieties have more than one Rzm resistance gene.

