

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
- 1-2 applications = 4.4 - 4.8 Cercospora rating
- 3 or more applications = 4.8 - 5.2 Cercospora rating

Cercospora Rating _____

Aphanomyces Rating _____

Note: Varieties with higher Cercospora ratings may require earlier and more frequent fungicide applications.

Rhizoctonia Rating _____

Environmental conditions may require increasing the overall number of applications.

Fusarium Rating _____

Root Disease Management (if present)

- Aphanomyces
- None Aph rating 9.0 or less
 - Slight Aph rating 9.0 or less
 - Moderate Aph rating 4.9 or less + Tach 20
 - Severe Aph rating 4.4 or less + Tach 45

Rhizomania - Dual Yes or No _____ Yes or No _____ Yes or No _____

Field Emergence % _____

% of Mean _____ % of Mean _____ % of Mean _____

- Rhizoctonia
- None Rzc rating 7.0 or less
 - Slight Rzc rating 7.0 or less
 - Moderate Rzc rating 5.0 or less
 - Severe Rzc rating 3.8 or less

Yield _____

Sugar % _____

- Fusarium
- None Fus rating 9.0 or less
 - Slight Fus rating 5.0 or less
 - Moderate Fus rating 4.0 or less
 - Severe Fus rating 3.0 or less

SLM _____

Rec Sugar / Ton _____

Rec Sugar / Acre _____

- Rhizomania *
- None Single or Dual Rzm
 - Slight Single or Dual Rzm
 - Moderate Dual Rzm genes
 - Severe Dual Rzm genes

Revenue / Ton _____

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: 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.

