



American Crystal Sugar Company

# AgNotes



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Joe Hastings, Editor

[www.crystalsugar.com](http://www.crystalsugar.com)

## 2022 Variety Selection & Production Considerations

### & 2021 CROP SUMMARY



Official  
Variety  
Trial Plots

#### Official Coded Variety Performance Trial Data

American Crystal 2021 Official Variety Trial (OVT) data for varieties approved for crop year 2022 has been published and is available on [crystalsugar.com](http://crystalsugar.com) at: <https://www.crystalsugar.com/agronomy/crystal-beet-seed/official-coded-trials/>

Many growers have already purchased seed for the 2022 sugarbeet crop, however it is still important to review the OVT data to make sure that the varieties you've selected offer the appropriate characteristics of disease tolerance, yield and sugar quality for placement in each unique field on your farm.

OVT trial data can be downloaded in a PDF document or an Excel file. Both have the same data sorted in 8 different ways. Color coded disease tolerance ratings can help you distinguish between the different degrees of tolerance.

OVT variety data is sorted in the 2021 Variety Selector in the following ways (each on a separate page):

- Seed Company
- Rev/Ton
- Rev/Acre
- Aphanomyces Tolerance Rating
- Rhizoctonia Tolerance Rating
- Fusarium Tolerance Rating
- Cercospora Tolerance Rating
- Emergence Percent

Downloading the Excel version will allow you to create your own sorts to examine the data as well.



<https://www.crystalsugar.com/sugarbeet-agronomy/7-gold-standards/>

- Fertility
- Variety Selection
- Stand Establishment
- Weed Control
- Disease & Insect Control
- Harvest







For prompt answers to your questions and comments, call and leave a message and Tom Astrup or one of his staff will respond as soon as possible.

**Shareholders:  
1-800-633-8941**

## Cercospora Leafspot (CLS)

- Even with drought conditions this summer, the 1<sup>st</sup> Cercospora Leafspots were found the last week of June and early July in the RRV.
- Infections came on strong late summer with more favorable conditions. 2022 will have high inoculum levels that will require the need for proactive protection from fungicide applications.
- A timely initial fungicide application will be needed to delay and push back the on-set of cercospora infections to reduce its potential severity.
- Timely initial fungicide application target timeframe:
  - Southern RRV: Last week of June
  - Middle RRV: First week of July
  - Very Northern RRV: Second week of July
- Tank-mix and rotate fungicides for resistance management and maintain proper fungicide application intervals.
- Planting varieties with good CLS ratings can make a big difference in infection levels.
- CR+ varieties still require timely initial and following fungicide applications. Do so to keep this trait working effectively against CLS into the future.

2021 Crop Summary					
Station	Yield	Sugar %	SLM %	Rec Sugar/Ton	Rec Sugar/Acre
MOORHEAD YARD	30.3	17.38	1.11	325	9,848
HITTERDAL	32.5	17.79	1.10	334	10,855
LYNCHBURG	27.2	17.91	1.16	335	9,112
KINDRED	31.1	17.86	1.08	336	10,450
AMENIA	32.9	17.77	1.13	333	10,956
PERLEY	30.6	17.12	1.13	320	9,792
FELTON	31.0	17.10	1.15	319	9,889
SABIN	30.0	16.93	1.14	316	9,480
GLYNDON	29.4	16.85	1.15	314	9,232
<b>MOORHEAD DISTRICT</b>	<b>30.3</b>	<b>17.34</b>	<b>1.13</b>	<b>324</b>	<b>9,817</b>
HILLSBORO YARD	29.7	17.57	1.12	329	9,771
WAUKON	25.7	17.52	1.09	329	8,455
ADA WEST	29.9	17.07	1.12	319	9,538
ADA NORTH	28.1	17.09	1.13	319	8,964
MIDWAY	27.4	17.51	1.13	328	8,987
REYNOLDS	32.1	17.85	1.08	335	10,754
<b>HILLSBORO DISTRICT</b>	<b>29.3</b>	<b>17.57</b>	<b>1.11</b>	<b>329</b>	<b>9,640</b>
CROOKSTON YARD	25.1	17.30	1.18	322	8,082
NIELSVILLE	25.5	17.34	1.13	324	8,262
ELDRED	27.4	17.22	1.15	321	8,795
SCANDIA	27.8	17.42	1.16	325	9,035
WARREN	28.2	18.17	1.09	342	9,644
O'MEARA	28.8	18.07	1.12	339	9,763
<b>CROOKSTON DISTRICT</b>	<b>25.8</b>	<b>17.39</b>	<b>1.16</b>	<b>325</b>	<b>8,385</b>
EGF YARD	31.0	18.15	1.11	341	10,571
ARDOCH	30.1	18.28	1.10	344	10,354
VOSS	30.5	18.69	1.05	353	10,767
OSLO	31.0	18.48	1.11	347	10,757
ARGYLE	29.0	17.98	1.09	338	9,802
ALVARADO	32.6	17.93	1.10	337	10,986
<b>EGF DISTRICT</b>	<b>30.0</b>	<b>18.11</b>	<b>1.11</b>	<b>340</b>	<b>10,200</b>
DRAYTON YARD	26.3	18.86	1.07	356	9,363
MARTHUR	25.5	18.48	1.06	348	8,874
BATHGATE	29.8	18.25	1.06	344	10,251
HAMILTON	25.9	18.24	1.06	344	8,910
GRAFTON	28.8	18.75	1.06	354	10,195
HUMBOLDT	27.3	19.22	1.04	364	9,937
STEPHEN	33.3	18.61	1.08	351	11,688
ST. THOMAS	28.4	18.32	1.06	345	9,798
KENNEDY	26.7	19.10	1.08	360	9,612
<b>DRAYTON DISTRICT</b>	<b>27.8</b>	<b>18.67</b>	<b>1.06</b>	<b>352</b>	<b>9786</b>
<b>RED RIVER VALLEY</b>	<b>28.7</b>	<b>17.99</b>	<b>1.11</b>	<b>338</b>	<b>9701</b>