



AG NOTES

Growing Advice for Superior Results

2014 Final Crop Statistics

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Tyler Grove, Editor

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2014 Detailed Harvest Data: Yield and Quality by Home Station – 2014 Crop

Station	Harv Acres	Yield	Sugar %	SLM %	Rec/Ton	Rec/Acre
Moorhead	12,127	19.6	17.34	1.16	324	6,350
Hitterdal	7,811	21.3	17.44	1.08	327	6,965
Lynchburg	4,842	26.8	17.7	1.22	330	8,844
Kindred	4,417	20.6	16.6	1.26	307	6,324
Amenia	5,732	24.7	17.62	1.19	329	8,126
Perley	9,207	25.8	17.55	1.06	330	8,514
Felton	11,914	21.8	17.13	1.18	319	6,954
Sabin	4,436	22.3	16.96	1.24	314	7,002
Glyndon	4,594	18.4	16.84	1.19	313	5,759
Moorhead Factory	68,200	22.2	17.29	1.16	323	7,171
Hillsboro	22,979	24.8	17.56	1.1	329	8,159
Waukon	3,595	21.6	17.29	1.03	325	7,020
Ada West	5,361	24.5	17.52	1.05	329	8,061
Ada North	7,596	26.1	17.42	1.04	328	8,561
Midway	9,010	24.5	17.22	1.13	322	7,889
Reynolds	17,566	23.9	17.33	1.05	326	7,791
Hillsboro Factory	65,280	24.3	17.46	1.07	328	7,970
Crookston	35,620	25	17.43	1.08	327	8,175
Nielsville	4,319	22.4	17.82	1.09	335	7,504
Eldred	6,164	25.9	17.4	1.08	326	8,443
Scandia	7,052	22.4	17.25	1.07	324	7,258
Warren	9,685	22.9	17.52	1.07	329	7,534
O'Meara	9,543	22.2	17.38	1.04	327	7,259
Crookston Factory	50,229	25	17.46	1.08	328	8,200
EGF	38,463	25.7	17.6	1.03	331	8,507
Ardoch	9,144	24.2	17.36	1.16	324	7,841
Voss	5,034	25.7	17.23	1.16	321	8,250
Oslo	6,540	23.3	17.98	1.11	337	7,852
Argyle	11,325	19.6	17.16	1.16	320	6,272
Alvarado	11,376	22.8	17.55	1.04	330	7,524
EGF Factory	105,143	23.7	17.49	1.07	328	7,774
Drayton	35,045	20.5	17.37	1.15	324	6,642
McArthur	4,952	19.1	17.46	1.1	327	6,246
Bathgate	9,119	25	17.35	1.1	325	8,125
Hamilton	9,834	24.3	17.64	1.09	331	8,043
Nash	2,393	21.8	17.44	1.06	328	7,150
Grafton	8,587	23.8	17.59	1.1	330	7,854
Humboldt	11,282	20.7	17.25	1.16	322	6,665
Stephen	11,326	21.8	17.48	1.17	326	7,107
St. Thomas	22,064	23.8	17.19	1.08	322	7,664
Kennedy	9,737	17.9	16.79	1.25	311	5,567
Drayton Factory	122,361	21.8	17.34	1.13	324	7,063
RRV	411,213	23.1	17.4	1.1	326	7,531



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

YOUR WAY TO GROW

When should Betamix be tank-mixed with glyphosate in RR sugarbeet?

Ask David

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

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

Spring Factory District Meetings

Tuesday, April 7 Crookston District

8:00 a.m. Breakfast
8:30 a.m. Meeting
Crookston Inn
Crookston, MN

Hillsboro District

12:00 p.m. Lunch
12:30 p.m. Meeting
St. Rose of Lima
Hillsboro, ND

Wednesday, April 8

E. G. F. District

8:00 a.m. Breakfast
8:30 a.m. Meeting
Alerus Center
Grand Forks, ND

Drayton District

12:00 p.m. Lunch
12:30 p.m. Meeting
St. John's Parish Center
Grafton, ND

Monday, April 9

8:00 a.m. Breakfast
8:30 a.m. Meeting
Ramada Plaza
Fargo, ND

Courtesy Dr. Tom Peters (Extension Sugarbeet Agronomist NDSU and U of MN)

American Crystal Sugar is moving Betamix inventory from storage to farms. The obvious questions are should sugarbeet farmers take Betamix and when should they add Betamix to the tankmix? Betamix will last a lifetime provided it is properly stored to ensure it does not freeze. I recommend farmers take Betamix since I believe it will be useful for control of tough-to-control broadleaf weeds in sugarbeet.

Betamix is a postemergence herbicide for the control of annual broadleaf weeds in sugarbeet including kochia, pigweed species including waterhemp, lambsquarters and common ragweed. Betamix is a contact herbicide that should be applied in spray volumes ranging from 15 to 20 gallons per acre and at a spray pressure to ensure good coverage to small, actively growing weeds. Oil adjuvants (Crop Oil Concentrate and Methylated Seed Oil) greatly enhance oil soluble herbicides like Betamix but antagonize glyphosate. MSO based 'high surfactant oil concentrate' adjuvants (HSMOC) contain a higher concentration of surfactant COC and MSO and enhance oil soluble herbicides without decreasing glyphosate activity. Apply oil adjuvants on an area basis (i.e. pt/A) rather than a volume basis (1% v/v).

Sugarbeet injury occasionally occurs from Betamix. Sugarbeet with four true leaves are less susceptible to injury than smaller sugarbeet. Sugarbeet gain additional tolerance as they become larger than the four-leaf stage. Risk of sugarbeet injury is reduced by starting application in late afternoon so cooler temperatures follow application. Risk of injury is increased by factors such as recent flooding, high temperature, and a sudden change from a cool, cloudy environment to a hot, sunny environment.

Consider addition of Betamix to the tank-mix for control of glyphosate resistant weeds including kochia, waterhemp, and common ragweed. While I am unaware of glyphosate resistant lambsquarters, Betamix applied with glyphosate will improve efficacy, especially under dry conditions. Please consider the following suggestions:

Weed	Weed Size	Betamix ¹	Glyphosate ²	Surfactant
Kochia	2 – 3 inch	12 – 34 fl oz/A	22, 28 , 32 fl oz/A	HSMOC + AMS
Waterhemp	2 inch	12 – 34 fl oz/A	22, 28 , 32 fl oz/A	HSMOC + AMS
Common Ragweed	2 – 4 inch	12 – 34 fl oz/A	22, 28 , 32 fl oz/A	HSMOC + AMS
Lambsquarters	2 – 3 inch	12 – 34 fl oz/A	22, 28 , 32 fl oz/A	HSMOC + AMS

¹Betamix at 8-12 fl oz/A on cotyledon, 12-16 fl oz/A on 2-lf, 16-24 fl oz/A on 4-lf and 24-34 fl oz/A on sugarbeet > 6-lf.

²Assumes two glyphosate sprays before V8 sugarbeet. Apply glyphosate at 32 fl oz/A if one application before V8 sugarbeet. Apply glyphosate at 22 fl oz/A after V8 sugarbeet stage. Make repeat application(s) at approximately 14 day intervals.

Addition of ethofumesate at 4 fl oz/A with Betamix plus glyphosate improves control, especially on tough-to-control weeds such as waterhemp and kochia. Use the lower range of the Betamix recommendations as sugarbeet injury maybe greater.