

HumiSource® Plus and SourceFul® Provide Advantages



- HumiSource® Plus increased sugar yield 18%
 - SourceFul® increased sugar yield 10%
- SourceFul® provided surfactant activity for glyphosate
 - Nutrient holding capacity increased
 - Water uptake improves
- Includes biostimulant creating microbial activity



Is a concentrated, soluble, liquid, potassium humate (including humic and fulvic acids).

Made from leonardite, a natural form of humate, found in isolated veins in Northwestern North Dakota.

Humic acid 20.41%
ISO19822 method

Fulvic acid 7.88%
ISO19822 method



Is a specially formulated fulvic acid liquid extraction.

Made from leonardite, a natural form of humate, found in isolated veins in Northwestern North Dakota.

Fulvic acid 8.53%
ISO19822 method

LEONARDITE PRODUCTS

Contact:

Greg Gannon 406-539-3050
greg@leonarditeproducts.com

Hugh Parker 207-607-3991
hugh@leonarditeproducts.com

Cherie Harms 701-471-2704
cherie@leonarditeproducts.com

www.leonarditeproducts.com
701-572-7659
13375 Highway 1804
Williston, ND 58801



Sugar Beet Trial Results

	Treatment	Beet Yield Tons/A	Recoverable Sugar %	Sugar Yield Tons/A %	% Broadleaf Control 7-June	% Grass Weed Control 7-June	% Broadleaf Control 7-July	% Grass Weed Control 7-July
1	Weedy Untreated	1 qt/A	17.52	7.25	3.04	0	0	0
2	Glyphosate alone	1 qt + 1 pt/A	48.47	18.13	8.81	88.80	92.50	94.80
3	Glyphosate + Surfactant	1 qt + 1 pt/A	52.42	16.50	8.66	97.90	98.00	98.50
4	Glyphosate + SourceFul®	1 qt + 1 pt/A	51.22	18.25	9.33	92.30	93.50	96.50
5	Glyphosate + SourceFul®	1 qt + 2 pt/A	46.53	19.13	8.47	86.30	94.50	87.50
6	Weed Free with Herbicides + SourceFul®	2 pt/A	48.34	19.13	8.77	96.50	94.30	99.00
7	Weed Free with Herbicides + HumiSource® Plus	2 pt/A	52.40	18.38	9.63	97.30	96.00	99.00
8	HumiSource® Plus over the seed furrow at planting	2 pt/A	54.28	18.38	9.98	100.0	98.5	97.80
9	SourceFul® over the seed furrow at planting	2 pt/A	52.39	17.83	9.33	100.0	98.5	97.70



The best yielding treatment was Humicsource® Plus over the row at planting then kept weed free.

SourceFul® was a good surfactant for glyphosate.

The treatment with SourceFul® over the row was very high yielding but slightly lower sugar content than the Humicsource® Plus treatment.

The standard treatment, glyphosate with surfactant, had high tonnage yield but lower sugar content.

Humicsource® Plus and SourceFul® were applied separately and were some of the best yielding plots, with high yields and high sugar content.

The standard treatment 3 was better than glyphosate alone.

The weed control from treatments 1 through 5 were as expected.

LEONARDITE PRODUCTS

Protocol

The trial and overview were completed by Rene Scoresby, PhD, in Southwestern Idaho during the 2024 growing season.

Beets were planted in April and harvested in October.

The target beet population was 30,000 seed/acre.

The beet variety was Betaseed 23/NC CRT which has tolerance to glyphosate herbicide.

The beets from each 25-foot plot were picked up into bins and the bins weighed by hand.

One should consider using HumiSource® Plus over furrow at planting and SourceFul® as a surfactant for glyphosate.

