

SUGAR BEETS

GROW BIGGER. GROW FASTER. GROW MORE



Grow your sugar beet profits with Growthful.

Growthful™ is the auxiliary soil amendment that helps you grow more, faster and can easily be added to your current cultivation application methods.

- ✓ Increase crop yields
- ✓ Apply from the start for optimum plant health
- ✓ Improves and increases water/nutrient availability, use, efficiency, processing, and retention
- ✓ Extremely cost effective vs. other treatments
- ✓ No added application costs

Consult with an Aqueus representative for specific details.



Growthful Pre-Emerge

Burndown application: A single application prior to emergence of the plant. Dilute 2 gallons of Growthful Pre-Emerge in a minimum of 10 gallons of water and apply to the soil prior to emergence of plant. The target application rate is 2 gallons of Growthful Pre-Emerge per acre.

In Furrow application: Dilute 16 oz. of Growthful Pre-Emerge in a minimum of 3 gallons of water per acre on 30" rows. For fields with 15" rows, dilute 32 oz. of Growthful Pre-Emerge in 6 gallons of water per acre.

Growthful Post-Emerge Spray

Broadcast applications: Dilute 12.8 oz. of Growthful Post-Emerge Spray with a minimum of 10 gallons of water and apply broadcast to soil or over crops. Apply 12.8 oz. per acre. Make 2-6 applications on 7-10 day cycles per growing season as part of normal input protocol. Apply 12.8 oz. per acre.

Michigan Sugar Company / 2021 Results

With the cost of inputs increasing, Growthful products provide a low cost alternative to increase yields by improving soil conditions.

With Growthful Post-Emerge Spray, Michigan Sugar Company's testing resulted in 2.9 tons per acre improvement per acre with sugar purity at 96.1. The application was applied twice at a cost of \$6.00 resulting in a \$78.00 return on investment (ROI) at \$0.17 per pound to the farmers.

No.	Treatment	Rate/A	Appl Timing	3-Aug Vigor 1-10	27-May Vigor 1-10	RWSA	RWST	T/A	T/A	Sugar	Purity
2	UAN 28%	8 gal	A	9.3	7.8	11247.7	249.7	44.9	44.9	16.8	95.4
	10-34-0	6 gal	A								
	Thio-Sul	4 gal	A								
	Growthful Pre-Emerge	22 fl oz	B								
	Quadris	10 fl oz	B								
	Mustang Maxx	4 fl oz	B								
3	UAN 28%	8 gal	A	9.3	8.4	11241.7	253.6	44.3	44.3	16.9	96.0
	10-34-0	6 gal	A								
	Thio-Sul	4 gal	A								
	Quadris	10 fl oz	B								
	Mustang Maxx	4 fl oz	B								
	Growthful Pre-Emerge	2 gal	C								
1	UAN 28%	8 gal	A	9.1	7.4	11253.9	256.2	43.9	43.9	17.1	95.9
	10-34-0	6 gal	A								
	Thio-Sul	4 gal	A								
	Quadris	10 fl oz	B								
	Mustang Maxx	4 fl oz	B								
4	UAN28%	8 gal	A	9.1	7.7	12000.0	256.8	46.8	45.6	17.1	96.1
	10-34-0	6 gal	A								
	Thio-Sul	4 gal	A								
	Quadris	10 fl oz	B								
	Mustang Maxx	4 fl oz	B								
	Growthful Post-Emerge Spray	12.8 fl oz	D								
	Growthful Post-Emerge Spray	12.8 fl oz	E								
Average				9.2	7.8	11435.8	254.1	45.0	44.7	17.0	95.8
LSD 5%				0.5	0.7	1352.9	16.4	4.2	4.7	1.0	0.8
CV%				3.3	5.5	7.4	4.0	5.9	6.5	3.5	0.5
Application Dates:	A - 4/20	D - 8/2									
	B - 4/20	E - 9/2									
	C - 4/26										

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