



Advancing Eco Agriculture

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Nutritional Schedule

Corn Optimal

Feb 26 2021

Acres: 100

Regenerative Soil Health Program

Number of Apps: 1 Start Date: 10/1/2021

Mix the below with at least 20 gpa of water and spray onto the soil surface and crop residue after harvest. Light incorporation is ideal.

Where a post-harvest application is not possible apply into standing crop prior to harvest via Y-drops or pivot. Apply in spring if fall application is not possible. Can be applied while planting cover crops.

Rate per acre	Product	Special Instructions
6 Quart	Rejuvenate	
4 Quart	SeaShield	
50 Gram	Spectrum	

Seed Treatment

Number of Apps: 1 Start Date: 5/1/2021

Dust seed with Bio Coat Gold at a minimum 1 gram of BioCoat Gold for every 1 pound of seed, up to 2 g/lb. For a per-acre rate, use approximately 12-18 grams BioCoat Gold per acre depending on seed weight and population.

Rate per acre	Product	Special Instructions
25 Gram	BioCoat Gold	

Planter Application

Number of Apps: 1 Start Date: 5/1/2021

Mix the products below with at least an equal amount of water and apply in-furrow, or 2x2, etc. at planting. Add additional nutrients as needed based on soil or sap data.

Rate per acre	Product	Special Instructions
4 Quart	Planter Solution	
2 Quart	Rejuvenate	
1 Quart	HoloCal	
1 Pint	ReBound Zinc	
25 Gram	Spectrum	

Sap Analysis

Number of Apps: 1 Start Date: 5/11/2021

Take young leaf sap test at V3.

Rate per acre	Product	Special Instructions
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First Foliar

Number of Apps: 1 Start Date: 5/10/2021

Mix the following products with at least 20 gallons of water. Apply as foliar between V3 and V6. (If organic certified, Rebound micronutrients must be documented and approved for use in your organic management plan.) Ideally, adjust as per sap analysis.

Rate per acre	Product	Special Instructions
2 Quart	PhotoMag	
1 Quart	ReBound Manganese	
1 Pint	ReBound Zinc	
1 Pint	ReBound Iron	
1 Pint	SeaStim	

Sap Analysis

Number of Apps: 1 Start Date: 5/25/2021

Follow up with young/old sap analysis 7 days after foliar application.

Rate per acre	Product	Special Instructions
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Nitrogen Side dress

Number of Apps: 1 Start Date: 6/10/2021

Side-dress nitrogen as needed. Include a sulfur component to maintain a 10:1 ratio of N:S. Humacarb rate is not based on units/pounds of actual N, but on liquid volume of N product (UAN32, Calcium Nitrate, etc). Determine total VOLUME of nitrogen material and add 3% of that total as Humacarb.

Rate per acre	Product	Special Instructions
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1	Quart	Rejuvenate
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1	Quart	HumaCarb
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1	Pint	ReBound Moly
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50	lb.	Nitrogen	Estimate only. N product is not sold by AEA.
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Second Foliar

Number of Apps: 1 Start Date: 6/30/2021

Mix the following products with at least 20 gallons of water per acre. Apply as foliar at between V8 and V10. If certified organic, Rebound micronutrients and PhotoMag must be documented and approved for use in your organic management plan. Adjust per sap analysis data.

Rate per acre	Product	Special Instructions
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2	Quart	Accelerate
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1	Quart	HoloCal
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1	Quart	PhotoMag
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1	Pint	ReBound Iron
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1	Pint	ReBound Zinc
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Sap Analysis

Number of Apps: 1 Start Date: 5/25/2021

Follow up with young/old sap analysis 7 days after foliar application.

Rate per acre	Product	Special Instructions
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Grain Fill Foliar

Number of Apps: 1 Start Date: 8/15/2021

Mix the following products with at least 20 gallons of water per acre. Apply as foliar at R4.

If certified organic, Rebound micronutrients and PhotoMag must be documented and approved for use in your organic management plan. Adjust per sap analysis data.

Rate per acre	Product	Special Instructions
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2	Quart	PhotoMag
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2	Quart	HoloK
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1	Quart	Rejuvenate
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1	Pint	ReBound Manganese
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1	Pint	ReBound Zinc
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5	lb.	Urea	Use 5 lb. urea or 2 lb. amino acid N.
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Flood Jet Nozzles and 50 Mesh Screens are recommended. Clean tank and spray lines thoroughly with water after each use. Do not let fertilizer solution sit in tank for more than 8 hours. Agitate tank solution and maintain continuous agitation while planting or spraying. Post harvest applications should be based on plant sap and tissue analysis.