

# 2020 WARRANTY PROGRAM

## Program Details

<b>Product:</b>	ION <sub>fx</sub> ™
<b>Crop:</b>	Corn
<b>Bushel Increase:</b>	3.5 Bushels per acre in side-by-side comparison
<b>Minimum Treated Acres:</b>	160 Acres
<b>Minimum Untreated Acres:</b>	2 Acres <i>(must be immediately adjacent to the treated test in same field with similar soil types)</i>

## Requirements to Participate

1. Must be applied prior to V5 or seed coated.
2. Must receive the same minimum fertilization of the untreated plot.
3. Soil Samples are recommended to meet Minimum Soil Derived Biological Requirements of a Stimulated Plant
4. Must have a tissue sample prior to V3 that meets the minimum tissue fertility requirements.
  - a. MMI laboratories in Athens, Georgia must be used for the analysis.
  - b. Agrovive will subsidize the cost of the soil and or tissue sample if MMI Labs is used for the analysis at \$25 dollars if the producer prepays for the analysis and uses our submission form.
  - c. The producer must work with their agronomist to add fertilizers whether to the soil or foliar feed the plant to meet minimum tissue analysis requirements for the treated plants by the June 30.

## Warranty Advantages

1. Warranty consists of replacement biologic product for the following season.
2. Agrovive will also subsidize a soil-testing regimen for the operators entire cropping land soil samples to determine if deficiencies exist. We will subsidize all soil and tissue samples submitted for 2020 and 2021 cropping season at a cost of \$25.00 per sample cost to the operator if MMI labs is used and our submission form is utilized with prepayment to the laboratory.
3. It is the responsibility of the operator's agronomy professional to evaluate these results and to provide recommendations and product specific recommendations to the operator.

*For more information, visit [agrovive.com](http://agrovive.com)*

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## Minimum Tissue Fertility Requirements

### CORN TISSUE NUTRITIONAL STANDARDS

NUTRIENT	SEEDLING < 4" TALL	PLANTS < 12" TALL	PRIOR TO TASSELING	INITIAL SILK
<b>MACRONUTRIENTS (%)</b>				
NITROGEN	4 - 5	3.5 - 5	3 - 4	2.8 - 4
PHOSPHORUS	0.4 - 0.6	0.3 - 0.5	0.25 - 0.45	0.25 - 0.5
POTASSIUM	3 - 4	2.5 - 3.5	2 - 2.5	1.8 - 3
CALCIUM	0.3 - 0.8	0.3 - 1	0.25 - 0.5	0.25 - 0.8
MAGNESIUM	0.2 - 0.6	0.15 - 0.65	0.13 - 0.3	0.2 - 0.65
SULFUR	0.18 - 0.5	0.15 - 0.4	0.15 - 0.5	0.15 - 0.4
<b>MICRONUTRIENTS (PPM)</b>				
BORON	5 - 25	5 - 25	4 - 25	5 - 25
COPPER	6 - 20	5 - 20	5 - 25	6 - 25
IRON	40 - 250	30 - 250	30 - 250	20 - 250
MANGANESE	25 - 160	20 - 150	20 - 150	15 - 150
MOLYBDENUM	0.1 - 0.25	0.2 - 2	0.1 - 0.3	0.1 - 0.2
ZINC	20 - 60	20 - 70	20 - 60	20 - 70

### Minimum Soil Derived Biological Requirements of a Stimulated Plant

	<u>Ca</u>	<u>Mg</u>	<u>S</u>	<u>Fe</u>	<u>Mn</u>	<u>B</u>	<u>Cu</u>	<u>Zn</u>	<u>Mo</u>	<u>Ni</u>	<u>Co</u>
<b>Range</b>	0.30	0.15	0.15	30	20	5	5	20	0.1		
	1	0.65	0.4	250	150	25	20	70	0.2		

*NPK recommendations are based on best practices for each operation*

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