PRODUCT CATALOGUE
2018

NutriAg
INNOVATORS IN THE FIELD

To learn more about NutriAg products and technologies visit **nutriag.com** or call **416 636-1555**

NutriAg
INNOVATORS IN THE FIELD

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NutriAg Ltd is a renowned leader in the field of plant-foliar nutrition and agricultural crop technology. Through constant development, registration, manufacturing and marketing of a wide range of plant nutrient and spray adjuvant products, NutriAg is always at the forefront of innovative agricultural science.

The company originated in the early 1960's, in South Africa, where it was started by the world-renowned agronomist, Dr. Jonah Fisher. In 1993, NutriAg Ltd. was established in North America to support the development of the North American markets and by 1999, had established its head office in Toronto, Canada, complete with a multifunctional production facility.

Products, including micronutrient fertilizers in both liquid and crystalline forms, spray adjuvants and biologicals, are manufactured in-house at the Toronto facility to ensure quality and consistency. The products are supplied under our patents, trademarks and/or private labels to distributors in Canada, USA and around the world.

NutriAg has focused its R&D in carbohydrate chemistry with PolyAldoCarbosate® (PAC™) technology, where carbohydrates are used as the main complexing agent for all nutrients. This revolutionary technology is a breakthrough for enhanced nutrient uptake and translocation within the plant resulting in increased crop productivity.

NutriAg is committed to investing in R&D to supply and distribute high quality, innovative products to address present and future market needs. NutriAg continues to provide exceptional technical support, crop recommendations and practical solutions through field agronomists, in response to crop production challenges.

NutriAg

OUR UNIQUE TECHNOLOGIES

NutriAg has developed industry-leading technologies that efficiently deliver essential crop nutrition and improve plant growth and development. NutriAg technologies are carefully developed and rigorously tested to ensure their safety and effectiveness.

M PAC™ PolyAldoCarbosate®

Our exclusive formula uses natural, plant-derived, carbohydrates to complex nutrients for enhanced nutrient uptake and usage by the plant.

P MOD™ Matrix Ortho-Deprotonation™

Our advanced manufacturing process employs unique sequestering technology, which allows for the simultaneous inclusion of 100% orthophosphate with other nutrients while maintaining a true solution.

ACE™ Active Cell Elicitor™

Our specialized compounds improve the plant's natural defense mechanisms, which enhances stress tolerance, improves crop health and increases yields.

CMM™ Cell Metabolism Maximizer™

Our unique combination of carboxylic acids and modified carbohydrate derivatives increase a plant's natural growth and nutrient utilization to advance crop yield.

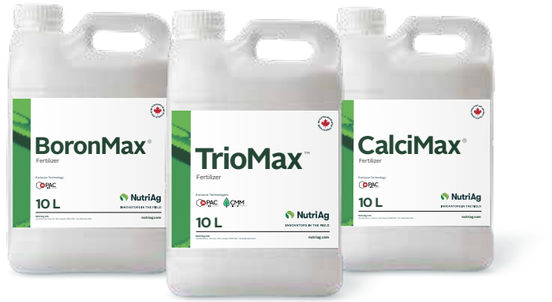
NGF™ Natural Growth Factor™

Our specially-selected seaweed extracts provide plant-available nutrients to enhance the stress tolerance and yield of crops.

BOS™ NEW Bioactive Organic Soil-Microbes™

Our inoculants utilize exclusive Bioactive Organic Soil-Microbes to enhance nitrogen fixation, phosphate solubilization, micronutrient availability and crop-stress tolerance, maximizing yield potential.

Max™ Line



The advanced Max Line of complexed nutrients contains our exclusive PolyAldoCarbosate® (PAC™) technology. The specially formulated plant-derived carbohydrates in PAC technology create extremely valuable, immediately utilized nutrients for foliar application. The unique binding process of this technology is the key to PAC foliar fertilization efficiency. Max Line-delivered nutrients ensure crops reach their maximum yield and quality by penetrating the cuticle, for rapid delivery to plant cells.

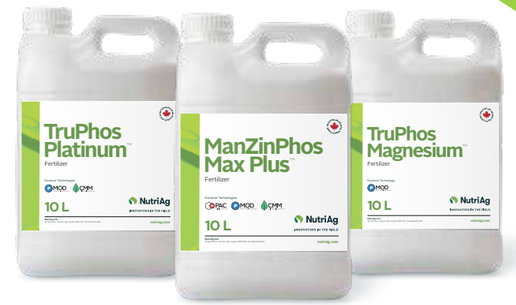
Featuring: PAC™ PolyAldoCarbosate®

BENEFITS

- PAC technology ensures efficient uptake of nutrients through the leaf cuticle for maximum nutritional benefits.
- Plant-derived carbohydrates form complexes to deliver easily metabolized nutrition to the crop.
- Nutrients are specially formulated in a true solution for superior crop safety and tank-mix compatibility.

PRODUCT	ANALYSIS	EXCLUSIVE TECHNOLOGY	APPLICATION RATE
BoronMax®	8.1% B	PAC	0.2-0.5 L/ac
CalciMax®	8.0% Ca, 0.5% B	PAC	1.0-2.0 L/ac
CelluMax™	9.0% K_2O, 3.0% Si	PAC	1.0 L/ac
CuMax™	4.2% Cu	PAC	0.25-0.5 L/ac
FeMax™	4.0% Fe	PAC	0.5-1.0 L/ac
K-Max Extra™	24.0% K_2O	PAC	0.5-2.0 L/ac
MagicalMax™	5.5% Ca, 2.0% Mg, 0.5% B	PAC	1.0-2.0 L/ac
MagMax™	6.0% Mg, 0.5% B	PAC	0.5-2.0 L/ac
ManMax™	5.5% Mn, 0.45% B, 0.5% Mo	PAC	0.5-2.0 L/ac
MangaMax™	5.5% Mn, 0.45% B	PAC	0.5-2.0 L/ac
MolyMax™	5.0% Mo	PAC	1.0 L/ac
N-Max™	24.0% N	PAC	1.0 L/ac
S-Max™	19.0% N, 5.0% K_2O, 15% S	PAC	1.0 L/ac
TrioMax™	2.9% Mn, 1.4% Zn, 1.4% Cu, 0.28% B, 0.24% Mo	PAC, CMM	1.0 L/ac
VigorMax®	10.2% Zn, 0.5% B	PAC	400-500 mL/100 Kg seed
ZincMax®	10.2% Zn, 0.5% B	PAC	0.5-1.0 L/ac
ZinManMax™	5.1% Zn, 2.7% Mn, 0.5% B, 0.25% Mo	PAC	0.5-1.0 L/ac

TruPhos® Line



The TruPhos Line uses our unique Matrix Ortho-Deprotonation™ (MOD™) technology to produce high phosphate liquid foliar fertilizers that contain a combination of macro and micronutrients. TruPhos products are fully dissolved true solutions making the nutrients 100% plant available. These products are beneficial for both foliar and soil applications.

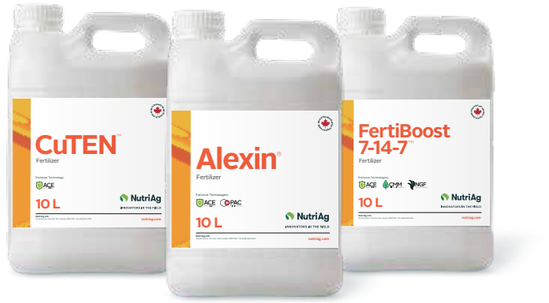
Featuring: MOD™ Matrix Ortho-Deprotonation™

BENEFITS

- Made with 100% ortho-phosphate for phosphorus that is fully and immediately available to the crop.
- Incorporates essential nutrients into a high phosphorus liquid fertilizer for easy mixability and application.
- Selected products contain exclusive CMM™ technology to enhance crop development and improve yield.

PRODUCT	ANALYSIS	EXCLUSIVE TECHNOLOGY	APPLICATION RATE
ManZinPhos Max Plus™	6-20-5, 1.8% S, 3.0% Mn, 1.0% Zn	MOD, PAC, CMM	1.0 L/ac
TruPhos Platinum™	5-18-2, 0.4% Mg, 0.8% S, 0.8% Zn, 0.1% Fe, 0.1% Cu, 0.1% B, 0.05% Mo, 0.05% Co, 0.04% Mn	MOD, CMM	0.67 L/ac
TruPhos Calcium™	0-23-3, 3.0% Ca	MOD	1.0 L/ac
TruPhos Cobalt™	0-20-6, 1.0% Co	MOD	0.25-1.0 L/ac
TruPhos Magnesium™	0-29-5, 4.0% Mg	MOD	1.0 L/ac
TruPhos Zinc™	6-20-0, 4.0% Zn	MOD	1.0 L/ac

Plant Activator™ Line



The exceptional Active Cell Elicitor™ (ACE™) technology in NutriAg's Plant Activator Line heightens a crop's natural defense mechanisms. The Plant Activator Line has been proven by independent research to enhance crop tolerance to stresses. It also prepares crops for potential future pressures that could negatively impact growth and yield. These defense responses allow all crops to tolerate a wide range of stresses, which optimizes their growth, regardless of unforeseen conditions.

Featuring: ACE™ Active Cell Elicitor™

BENEFITS

- Boosts natural crop defense mechanisms to mitigate negative stress events and help maximize yield.
- Provides key nutrients to enhance crop performance during stress incidents and improve recovery.
- Compatible with most foliar fertilizers and pesticides for easy incorporation into spray programs.

PRODUCT	ANALYSIS	EXCLUSIVE TECH.	APPLICATION RATE
Alexin®	0-0-8, 2.4% Ca, 0.8% Mg, 0.2% B	PAC, ACE	0.5-1.0 L/ac
NEW **CuTEN™**	0-0-8, 1.0% Cu	ACE	1.0 L/ac
Broadleaf Finish™	0-0-6, 3.0% B	PAC, ACE	0.75-1.0 L/ac
Cereal Finish™	0-0-6, 1.5% B, 1.25% Cu	PAC, ACE	0.75-1.0 L/ac
COMING SOON **Crop Finish™**	0-0-6 2% B, 1% Cu	PAC, ACE	0.75-1.0 L/AC
FertiBoost 7-14-7™	7-14-7, 0.05% B, 0.05% Cu, 0.05% Mn, 0.05% Zn, 0.005% Mo	ACE, CMM, NGF	1.0 L/ac
KP Plus™	1-50-33	ACE	1.0-2.0 Kg/ac
Phyto B™	0-0-12, 2.4% Ca, 0.8% Mg, 0.5% B	PAC	0.5-1.0 L/ac
Phyto D™	0-0-6 with Co	PAC	0.5-1.0 L/ac
MaxiBoost®	1.05% Mg, 1.34% S, 0.25% B, 0.25% Cu, 0.25% Mn, 0.14% Zn, 0.004% Mo, 0.5% Fe	NGF	1.0 L/ac
MaxiStart™	7-14-7, 0.25% Mn, 0.05% Cu, 0.05% Zn, 0.04% B, 0.004% Mo	NGF	1.0 L/ac

NEW

BOS™ Inoculant Line

The BOS™ line of inoculants provide legumes with five yield-boosting benefits. The unique combination of a crop specific rhizobium with our exclusive pseudomonas soil microbe works to maximize yield potential from start to finish. The microbial strains used in all BOS inoculants are native to North American soils.

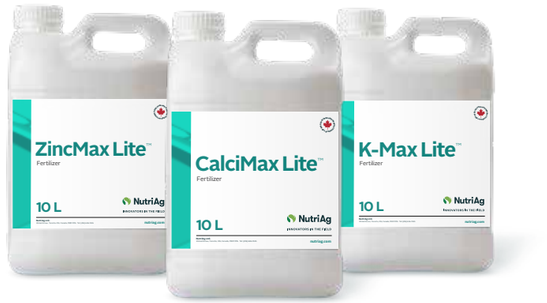
Featuring: BOS™ NEW Bioactive Organic Soil-Microbes™

BENEFITS

- Increased nitrogen fixation
- Improved micronutrient availability and uptake
- Greater phosphate solubilization
- Reduced yield loss from crop stress
- Production of crop growth promoting compounds

PRODUCT	ANALYSIS	FORMULATION
NEW **BOS™ Soybean**	Minimum of 5 x 10^8 CFU per gram of *Pseudomonas* sp. and 2 x 10^9 CFU per gram of *Bradyrhizobium* sp.	Peat
AVAILABLE PENDING REGISTRATION **BOS™ Pea, Lentil, Faba Bean**	Minimum of 1 x 10^4 CFU per gram of *Pseudomonas* sp. and 9 x 10^8 CFU per gram of *Rhizobium leguminosarum*	Peat
AVAILABLE PENDING REGISTRATION **BOS™ Pea, Lentil, Faba Bean**	Minimum of 1 x 10^4 CFU per gram of *Pseudomonas* sp. and 2 x 10^8 CFU per gram of *Rhizobium leguminosarum*	Granular

Lite™ Line



NutriAg offers a wide range of fertilizers for use in organic production. Our Lite fertilizers have been specifically formulated according to the Canadian Organic Regime's (COR) guidelines of organic production. Organic growers can confidently use NutriAg's Organic Lite Line knowing that Ecocert, the independent certifying body, has fully approved these products according to COR regulations. NutriAg's Organic Lite Line offers certified organic sources of nitrogen, potassium, and other necessary micronutrients for general crop use, as well as for correcting specific nutrient deficiencies.

BENEFITS

- A full range of approved macro and micronutrient fertilizers for use in organic production.
- Approved by Ecocert.

Approved by ECOCERT INPUTS

PRODUCT	ANALYSIS	APPLICATION RATE
CalciMax Lite™	8.1% Ca	0.5-2.0 L/ac
CuMax Lite™	4.0% Cu	0.25-0.5 L/ac
K-Max Lite™	15.0% K_2O	1.0-2.0 L/ac
MagMax Lite™	4.0% Mg, 0.5% B	1.0-2.0 L/ac
MangaMax Lite™	5.5% Mn, 0.5% B	1.0-2.0 L/ac
ZincMax Lite™	8% Zn	1.0 L/ac
NPK Lite 12-0-1™	12-0-1	1.0-2.0 Kg/ac
NPK Lite 5-0-20™	5-0-20	1.0-2.0 Kg/ac
SprayBor Lite™	16.5% B	1.0-2.0 Kg/ac

Water Conditioner™ Line

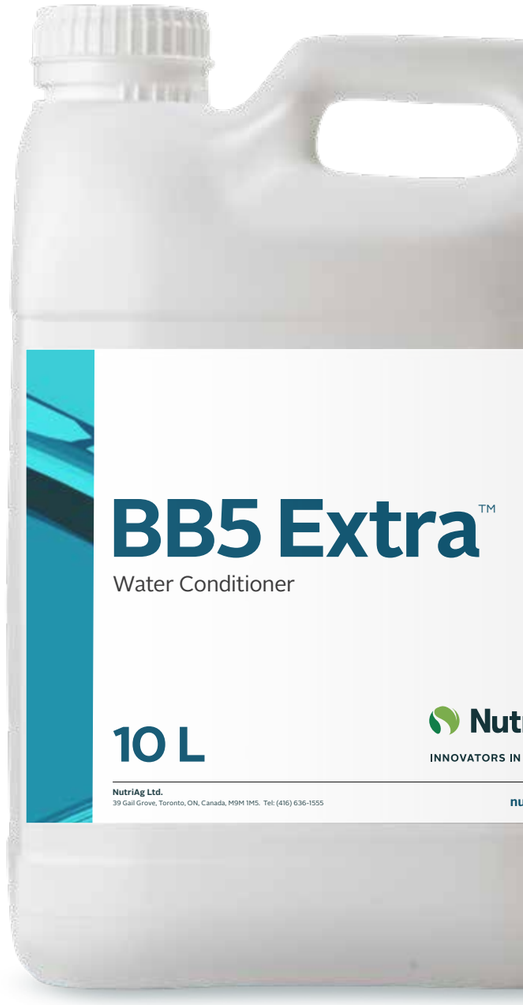
NutriAg has developed a broad range of multipurpose water conditioners whose functions range from lowering the pH of high pH and hard waters to improving tank mix compatibilities.

BB5 Extra

NutriAg's BB5 Extra™ uses unique technology to condition spray water, helping to overcome various spray-water problems that can have a negative effect on agricultural sprays.

BENEFITS OF BB5 EXTRA

- **Acidifies Alkaline Water:** BB5 Extra reduces spray-water pH to the ideal level (pH 5), which helps to prevent the decomposition of many agricultural sprays.
- **Decreases Effects of Water Hardness:** BB5 Extra ties up excess salts found in hard water that can interfere with the performance of many agricultural sprays.
- **Built-in pH Indicator:** BB5 Extra contains a unique, patented, visual pH colour indicator. It signals once the optimal pH has been reached by instantly turning the spray water pink at pH 5.
- **Buffering:** BB5 acts as a buffer to prevent over-acidification if too much is added to the spray water.



OTHER PRODUCTS

ColdStart™
PhitaK™
QuickFix™
Quick Defoamer™

Additional Products

CalNit™ (8-0-0, 10% Ca)

Length-N (28-0-0)

MagNit™ (10-0-0, 9.5% Mg)

MagSul™ (9.8% Mg, 12.9% S)

NeutralBor™ (10% B)

SprayBor® (16.5% B)

Terra-K™ (0-5-30, 3% S)

Yield Builder™ (6-11-26, 4% Mg, 1.15 % B, 0.5% Mn, 0.5% Zn, 0.008% Co, 0.008% Mo)

WATER SOLUBLE FEEDS

StarterFeed™ (10-50-10 + micronutrients)

MultiFeed™ (20-20-20 + micronutrients)

GreenFeed™ (26-10-16 + micronutrients)

SupaFeed™ (15-10-32 + micronutrients)

NutriFeed™ (35-5-10 + 0.1% iron)

SPECIALTY FEEDS

5-11-26 + micronutrients

6-24-34 + micronutrients

8-20-30 + micronutrients

8-45-14 + micronutrients

12-0-12 + micronutrients

12-0-43 + micronutrients

14-0-14 + micronutrients

15-2-20 + micronutrients

15-15-30 + micronutrients

15-30-15 + micronutrients

19-0-19 + micronutrients

20-8-20 + micronutrients

20-3-19 + micronutrients

22-11-22 + micronutrients

24-12-12 + micronutrients

25-10-10 + micronutrients

Custom formulations available

OTHER

Fushol™ (Cleansing Agent)

Storage & Application

PRODUCT STORAGE

- Do not store at temperature below 5˚C
- Do not store at temperature above 40˚C
- Store products in shade out of direct sunlight

TANK-MIX ORDER RECOMMENDATION

1. Make sure the spray tank is clean. If cleaning is required, use NutriAg's Flushol, a superior tank-cleaning agent. Make sure to rinse the tank thoroughly with water after cleaning. Triple rinse is recommended.

2. Fill the tank with ¾ of the required amount of water and begin agitation.

3. Add the required amount of pesticide with agitation (herbicide, fungicide, insecticide). Refer to the pesticide label for complete usage directions for the pesticide.

4. Refer to NutriAg's compatibility table or contact your sales representative for the compatibility of NutriAg's products with various pesticides.

5. Add the required amount of NutriAg product with agitation (only after compatibility has been confirmed).

6. Add the remaining amount of water.

7. Spray out complete contents of the sprayer.

8. Avoid allowing the tank mixture to stand overnight.

9. Rinse out the spray tank with water after use. Triple rinse is recommended.

Analysis Table

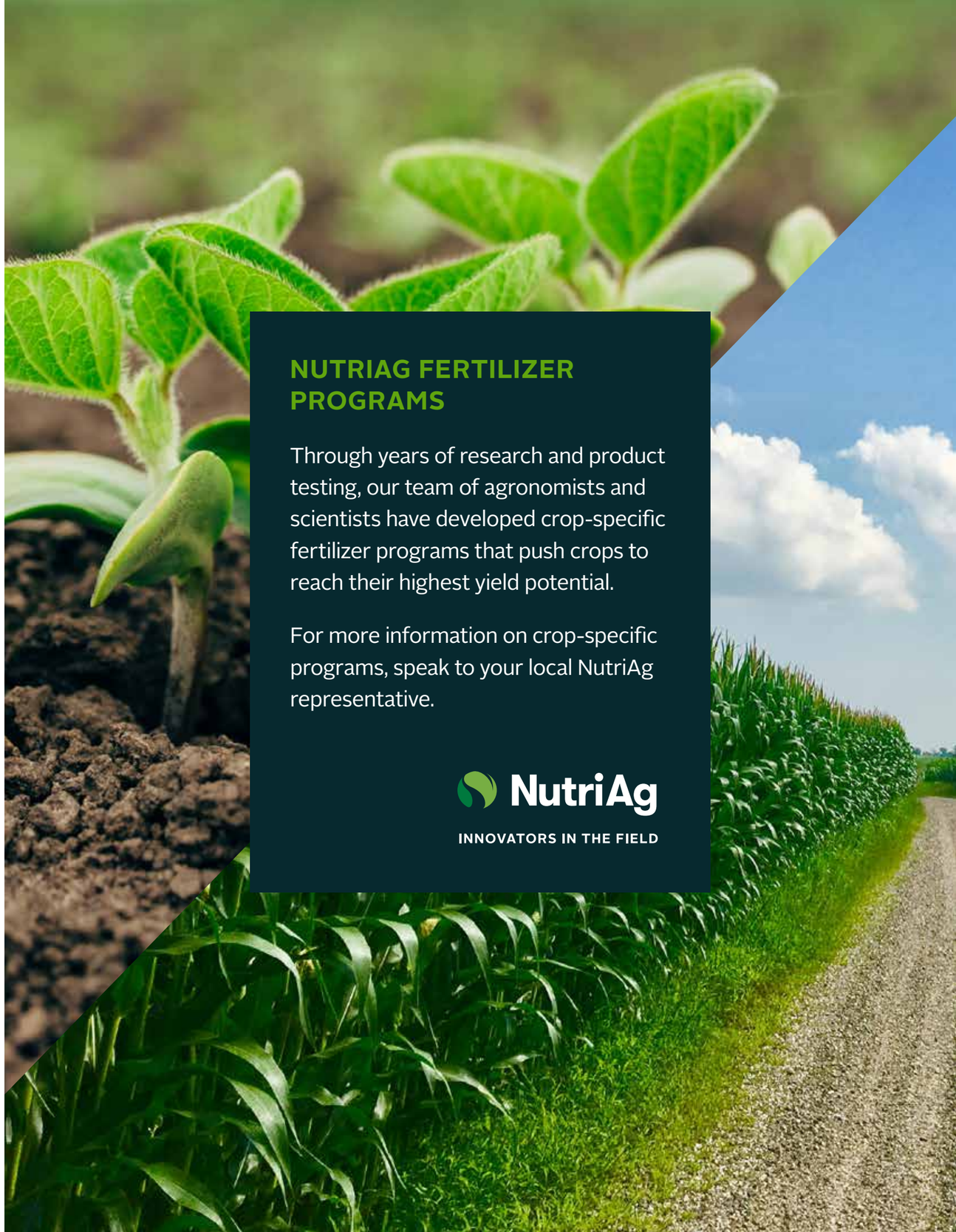
Max Line																
PRODUCT	kg/L	pH	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	Tech
BoronMax	1.27	7.2											8.1				PAC
CalciMax	1.24	6.1				8.0							0.5				PAC
CelluMax	1.17	12.0			9.0										3.0		PAC
CuMax	1.15	9.6										4.2					PAC
FeMax	1.22	6.5									4.0						PAC
K-Max Extra	1.43	7.7			24.0												PAC
MagicalMax	1.25	6.0				5.5	2.0						0.5				PAC
MagMax	1.24	6.8					6.0						0.5				PAC
ManMax	1.23	1.6								5.5			0.45	0.5			PAC
MangaMax	1.21	1.6								5.5			0.45				PAC
MolyMax	1.14	7.8												5.0			PAC
N-Max	1.24	5.7	24.0														PAC
S-Max	1.34	9.1	19.0		5.0			15.0									PAC
TrioMax	1.30	6.2							1.4	2.9		1.4	0.28	0.24			PAC, CMM
VigorMax	1.26	3.3							10.2				0.5				PAC
ZincMax	1.26	3.3							10.2				0.5				PAC
ZinManMax	1.24	6.2							5.1	2.7			0.5	0.25			PAC
TruPhos Line																	
PRODUCT	kg/L	pH	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	Tech
ManZinPhos Max Plus	1.41	1.9	6.0	20.0	5.0			1.8	1.0	3.0							MOD, PAC, CMM
TruPhos Calcium	1.29	1.9		23.0	3.0	3.0											MOD
TruPhos Cobalt	1.25	2.3		20.0	6.0											1.0	MOD
TruPhos Magnesium	1.47	1.9		29.0	5.0		4.0										MOD
TruPhos Platinum	1.27	1.5	5.0	18.0	2.0		0.4	0.8	0.8	0.04	0.1	0.1	0.1	0.05		0.05	MOD, CMM
TruPhos Zinc	1.29	1.5	6.0	20.0					4.0								MOD

Plant Activator Line																	
PRODUCT	kg/L	pH	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	Tech
Alexin	1.20	6.2			8.0	2.4	0.8						0.2				ACE, PAC
Broadleaf Finish	1.21	9.5			6.0								3.0				ACE, PAC
Cereal Finish	1.20	10.8			6.0							1.25	1.5				ACE, PAC
Crop Finish	1.23	9.7			6.0							1.0	2.0				ACE, PAC
CuTEN	1.50	6.6			8.0							1.0					ACE
FertiBoost 7-14-7	1.30	7.3	7.0	14.0	7.0				0.05	0.05		0.05	0.05	0.005			ACE, CMM, NGF
MaxiBoost	1.15	7.0					1.05	1.34	0.14	0.25	0.5	0.25	0.25	0.004			NGF
MaxiStart	1.30	7.9	7.0	14.0	7.0				0.05	0.25		0.05	0.04	0.004			NGF
Phyto B	1.23	6.2			12.0	2.4	0.8						0.5				PAC
Phyto D	1.22	6.2			6.0											1.0	PAC
PRODUCT	kg/bag	pH saturated sol'n	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	Tech
KP PLUS	15.00	4.2	1.0	50.0	33.0												ACE

BOS inoculant Line		
BOS-Soybean	Minimum of 5 x 10^8 CFU per gram of *Pseudomonas sp.* and 2 x 10^9 CFU per gram of *Bradyrhizobium sp.*	BOS
BOS-Pea, Lentil, Faba bean Peat	Minimum of 1 x 10^4 CFU per gram of *Pseudomonas sp.* and 9 x 10^8 CFU per gram of *Rhizobium leguminosarum*	BOS
BOS-Pea, Lentil, Faba bean Granular	Minimum of 1 x 10^4 CFU per gram of *Pseudomonas sp.* and 2 x 10^8 CFU per gram of *Rhizobium leguminosarum*	BOS

Organic Lite Line																	
PRODUCT	kg/L	pH	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	
CalciMax Lite	1.28	4.3				8.1											
CuMax Lite	1.13	3.3						2.0				4.0					
K-Max Lite	1.18	3.1			15.0												
MagMax Lite	1.31	4.0					4.0	5.3					0.5				
MangaMax Lite	1.19	6.3						3.1		5.5			0.5				
ZincMax Lite	1.30	3.3							8								
PRODUCT	kg/bag	pH saturated sol'n	N	P_2O_5	K_2O	Ca	Mg	S	Zn	Mn	Fe	Cu	B	Mo	Si	Co	
NPK Lite 12-0-1	15.00	4.8	12.0		1.0												
NPK Lite 5-0-20	15.00	5.4	5.0		20.0												
SprayBor Lite	25.00	7.0											16.5				

NOTES



NUTRIAG FERTILIZER PROGRAMS

Through years of research and product testing, our team of agronomists and scientists have developed crop-specific fertilizer programs that push crops to reach their highest yield potential.

For more information on crop-specific programs, speak to your local NutriAg representative.

NutriAg

INNOVATORS IN THE FIELD