TRUSTED NUTRITION.
REAL RESULTS.

AGRONOMY DRIVEN
BY SOIL HEALTH.

SummitGold™

Liquid Plant Food

SOIL & PLANT PERFORMANCE



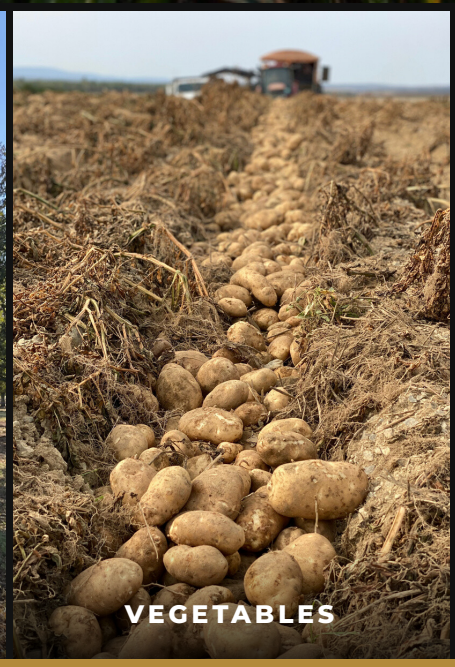
MORE YIELD

ROI DRIVEN











ENHANCED NUTRIENT UPTAKE

STRONGER ROOTS

HEALTHIER PLANTS

A MORE PROFITABLE FUTURE

PRODUCT CATALOG

www.summitgold.com



ABOUT US

OUR BUSINESS IS GROWING

OUR EXPERIENCE

Over 30 Years of Results

At SummitGold, we bring over 30 years of agricultural experience, developing and adapting our product line to meet the evolving needs of growers across a wide variety of crops and growing conditions. Our extensive portfolio of specialty fertilizers, micronutrients, soil conditioners, and biological products is designed to maximize crop performance, improve nutrient efficiency, and promote long-term soil and plant health.

We understand that successful crop production starts with healthy soil and a strong foundation for plant growth. By combining proven agronomic practices with innovative technologies, we develop solutions that support stronger root systems, enhanced nutrient availability, improved stress tolerance, and greater yield potential.

Our commitment goes beyond simply providing products. We work closely with agricultural professionals and growers to identify challenges, develop practical solutions, and help maximize the return on every acre.

At SummitGold, our focus remains on delivering consistent results, advancing sustainable agricultural practices, and helping growers produce healthier, more productive crops season after season.

OUR APPROACH

A Balanced Biological Approach

We focus on establishing a nutrient balance by combining both a conventional and biological approach to soil and plant fertility. This approach increases soil microbial activity and nutrient availability, which in turn creates a healthier soil environment and improved plant health.

WHY USE BIOLOGICAL PRODUCTS?

Science, Experience, Real Results.

Using biological ag inputs alongside conventional fertilizers can improve soil health, increase nutrient efficiency, and enhance plant growth. Both science and experience have proven that the presence of microbes and the extent of root activity determine how successful a plant will be. It's apparent visually in the growing conditions. This integrated approach will lead to healthier soils, healthier crops, and improved yields.

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HEALTHY SOILS. PRODUCTIVE TOMORROWS.

PROVEN PRODUCTS

TRUSTED PARTNERSHIPS

STRONGER COMMUNITIES

A MORE SUSTAINABLE FUTURE

01 STARTER

STRONG STARTS. HIGHER POTENTIAL.

7-25-5™

IN-FURROW / FOLIAR

7-25-5 is a high orthophosphate fertilizer. It's designed to increase germination and ear or fruit size. The 80/20 ortho/poly phosphate blend provides the right amount of available phosphorus for the germinating crop at a time when soil conditions are cool and damp and soil phosphate is not readily available. 7-25-5 can also be used as a foliar treatment to provide instant energy during periods of high demand at key physiological growth stages.

KEY BENEFITS

- SUPPORTS EARLY ROOT DEVELOPMENT
- IMPROVES GERMINATION
- BUILDS YIELDS & EARLY VIGOR

SG InFuze™

IN-FURROW

SG InFuze is our gold standard for in-furrow/on-seed applications. SG InFuze combines multiple technologies into one unique blend and is unlike any other product on the market today. It provides a well-rounded micronutrient blend, enzymes, organic and amino acids, phosphite, sugars, beneficial microbes and early stress mitigation. It is designed for direct on-seed application with SG 7-25-5, or in 2x2 with 8-29-2.

KEY BENEFITS

- BENEFICIAL MICROBES
- REDUCES EARLY STRESS
- DELIVERS KEY MICRONUTRIENTS

SG Assist™

IN-FURROW

SG Assist is a powerful and efficient combination of carbon compounds and bio-stimulant components. It is designed to establish and bolster soil microbiology and maximize root establishment and growth through improved available energy.

KEY BENEFITS

- ENHANCES ROOT ESTABLISHMENT
- BENEFICIAL MICROBES

RhizoSpear

IN-FURROW

RhizoSpear is designed for eastern environments where disease pressure is higher. RhizoSpear will initiate soil biology and provide micronutrients to give your germinating seeds a fighting chance. The inclusion of Compliment microbes provides a cleaner biological environment and assists with fixing nitrogen in the soil.

KEY BENEFITS

- BENEFICIAL MICROBES
- DELIVERS KEY MICRONUTRIENTS
- VIBRANT, HEALTHY ROOT SYSTEMS

Surge™

IN-FURROW / FOLIAR

SG Surge is a carbon-based starter for soybeans that supplements the plant with biology and plant growth products to maximize its early yield potential. Surge is designed to make the root zone rich in energy to optimize early root growth, nutrient uptake, and nodulation on legumes.

KEY BENEFITS

- SUPPORTS EARLY ROOT DEVELOPMENT
- IMPROVES GERMINATION
- BUILDS EARLY VIGOR

Compliment®

IN-FURROW / BANDED / SOIL / FOLIAR

Compliment is loaded with microbiology to improve communication between soils and plants. Compliment will help seeds stave off the rigors of cold, wet feet with confidence. Better stands and dramatically improved roots and nodulation on beans can be expected. Use alone or with additional treatments. Organically registered with WSDA.

KEY BENEFITS

- SUPPORTS EARLY ROOT DEVELOPMENT
- REDUCES EARLY STRESS
- IMPROVES NUTRIENT AVAILABILITY

02 SEED TREATMENT

STRONG STARTS. HIGHER POTENTIAL.

Originate ST

SEED TREATMENT

Originate ST is a seed treatment that includes viable biological technologies, promoting a quick and sustained germination. As the seedling grows, the beneficial microbes found in Originate ST quickly inhabit the root zone and help promote a vigorous and healthy root system and stand with improved nodulation on soybeans. Organically registered with WSDA.

KEY BENEFITS

- BENEFICIAL MICROBES
- INCREASES NODULATION
- VIBRANT, HEALTHY ROOT SYSTEMS

Breakthrough

SEED TREATMENT

Breakthrough is loaded with microbiology to improve communication between soils and plants. Breakthrough will help seeds stave off the rigors of cold, wet feet. Better stands and dramatically improved roots and nodulation on beans can be expected. Use alone or with additional fungicide or insecticide treatments.

KEY BENEFITS

- IMPROVED STANDS
- REDUCES EARLY STRESS
- PESTICIDE COMPATIBLE

03 BANDED

STRONG STARTS. HIGHER POTENTIAL.

10-13-13

SOIL BAND

10-13-13 is a fully available 100% orthophosphate low-salt starter fertilizer. It's ideal for in-furrow placement systems designed to reduce the need for early dry fertilizer application. Because it's entirely in the ortho form, all the phosphorus is immediately plant-available, promoting rapid root initiation and early vigor. When applied through furrow applicators, nutrients are precisely delivered in the root zone, maximizing uptake efficiency and minimizing seed burn for a strong, uniform stand.

KEY BENEFITS

- EARLY NUTRITIONAL SUPPLEMENTATION
- 100% PLANT AVAILABLE
- SUPPORTS EARLY PLANT VIGOR

8-29-2

SOIL BAND

8-29-2 50/50 ortho poly phosphate fertilizer has equal parts ortho and polyphosphate, giving crops both immediate and sustained phosphorus availability. Unlike 10-34-0, which is mostly polyphosphate, saltier, and slower to release—especially in cool or high-pH soils—8-29-2 delivers quicker root response, better nutrient efficiency, and compatibility with micronutrients for stronger early health.

KEY BENEFITS

- SUSTAINED PHOSPHORUS AVAILABILITY
- PROMOTES STRONG ROOT DEVELOPMENT
- IMPROVES NUTRIENT EFFICIENCY

SG Humic

SOIL

SG Humic is a concentrated form of humic acid that is recommended for use with liquid fertilizers and micronutrient products. It provides additional energy to the growing crop while also feeding soil biology. SG Humic is a great source of soil and plant carbon, adds additional CEC and is a buffering agent for soils low in organic matter.

KEY BENEFITS

- IMPROVES SOIL BIOLOGY
- ENHANCES NUTRIENT UPTAKE
- SUPPORTS LOW ORGANIC SOILS

InterVene

SOIL BANDED / FOLIAR

InterVene is a combination of fulvic acid and kelp extracts. Intended for application with liquid nitrogen bands or broadcast, it will extend ammonium nitrogen (yield-maximizing nitrogen) availability, feed biology and increase its use efficiency within the crop.

KEY BENEFITS

- EXTENDS NITROGEN
- IMPROVES NUTRIENT EFFICIENCY
- STRONGER CROP GROWTH

N-Gauge

SOIL BANDED

N-Gauge is a combination of humic acid and kelp extracts. N-Gauge keeps your soil nitrogen level higher and longer. N-Gauge is a gentler alternative to chemical stabilizers and assists the microbes in holding and releasing nitrogen over several weeks in an organic form which is highly desired by the plant. The end result is more residual N and higher yields.

KEY BENEFITS

- ENHANCES NITROGEN
- SUPPORTS HEALTHIER GROWTH

SG Fulvic

IN-FURROW / SOIL / FOLIAR

SG Fulvic is SummitGold's proprietary high-quality fulvic acid. Making added applications of SG Fulvic will increase the available carbon, feeding both the plant and soil microbes. SG Fulvic will increase cation exchange activity and will also increase microbial population and activity. SG Fulvic can increase the plant uptake of other materials applied with it. Organically registered with WSDA.

KEY BENEFITS

- INCREASES NUTRIENT AVAILABILITY
- SUPPORTS SOIL ACTIVITY
- FEEDS MICROBES

04 BROADCAST

STRONG STARTS. HIGHER POTENTIAL.

SG Accelerate™

SOIL

SG Accelerate is a biological crop residue degrader containing powerful cellulose and lignin degrading microbes. SG Accelerate works fast to soften residue, release and cycle nutrition and speed decomposition of manure applications into available nutrients. SG Accelerate 50/50 is a modified version containing an expanded set of microbial species that excel in both residue degradation and crop growth promotion. It is intended for broadcast applications where residue cycling and crop growth are needed simultaneously. SG Accelerate 50/50 is commonly used in turf grass applications to recycle thatch and reduce disease habitat and in early row-crop broadcast applications.

KEY BENEFITS

- STRONG RESIDUE BREAKDOWN
- BENEFICIAL SOIL MICROBES
- NUTRITION RELEASE

SG Infiltr8™

SOIL

SG Infiltr8 is a uniquely formulated high-grade non-ionic soil penetrant. It helps reduce soil crusting, loosens hard clay and improves aeration. SG Infiltr8 optimizes the air/water content of the soil by reducing the surface tension of the water. This allows water and oxygen to better reach plant roots and evenly infiltrate into the soil profile.

KEY BENEFITS

- IMPROVES WATER PENETRATION
- REDUCES SOIL CRUSTING
- WATER & OXYGEN INFILTRATION

SG Hydr8-R™

SOIL

SG Hydr8-R is a revolutionary product designed to remediate alkaline and high-sodium soils. It is a blend of concentrated organic acids and plant-based surfactants that move sodium out of the root zone by solubilizing cations such as calcium and promoting an exchange with sodium ions. This exchange moves sodium off of soil particles and into the soil solution where it can begin to move away with water flow.

KEY BENEFITS

- REDUCES SODIUM BUILDUP
- IMPROVES WATER INFILTRATION
- HEALTHIER SOIL CONDITIONS

05 MICRONUTRIENTS

STRONG STARTS. HIGHER POTENTIAL.

SG Advance™ / Branch Manager™

FOLIAR

SG Advance and Branch Manager combine multiple technologies to feed and protect the plant. They contain macronutrients, micronutrients, carbon, sugar compounds, amino acids, and plant protectant components. Both products supply yield-enhancing nutrition and energy to the crop while improving the plant's ability to fight stress and damage from pests or physical injury.

KEY BENEFITS

- EFFICIENT NUTRIENT UPTAKE
- TOP TIER FOLIAR
- PROTECTS AGAINST STRESS

PlantRite® Chelated Micronutrients Microstart™

IN-FURROW / FOLIAR

PlantRite Microstart is a multi-chelated, zinc-heavy micronutrient blend designed for on-seed application to enhance germination potential and provide essential micronutrients for early plant growth. It is the micronutrient product of choice for corn and grasses.

ANALYSIS

4% Zn | 1% Mn | 0.5% Cu | 0.25% Fe | 0.1% B | 0.025% Mo | 0.01% Co | 0.01% Ni

KEY BENEFITS

- SUPPLIES ESSENTIAL ZINC
- SUPPORTS EARLY PLANT GROWTH
- HEALTHY CROP DEVELOPMENT

PlantRite® Chelated Micronutrients Balance

FOLIAR / IN-FURROW / BANDED

PlantRite Balance is a more equally balanced, multi-chelated micronutrient blend designed for foliar or soil banded applications. PlantRite Balance can be mixed with most liquid products or fertilizers.

ANALYSIS

2% B | 2% Mn | 2% Zn | 0.5% Cu | 0.25% Fe | 0.025% Mo | 0.01% Co | 0.01% Ni

KEY BENEFITS

- DELIVERS BALANCED MICRONUTRIENTS
- HEALTHY PLANT GROWTH
- OPTIMAL CROP NUTRITION

PlantRite® Chelated Micronutrients Boron

BANDED / FOLIAR

PlantRite Boron is a premium boron liquid fertilizer. PlantRite Boron 8% + Mo can be applied in foliar sprays or in off-seed liquid fertilizer bands. It contains 8% boron, molybdenum, and additional proprietary components that reduce the impact of environmental stress on the crop. PlantRite Boron improves yield potential and sugar translocation in the plant.

KEY BENEFITS

- FLOWERING AND REPRODUCTION
- HEALTHY CROP DEVELOPMENT
- REDUCES STRESS

PlantRite™ Micronutrients

BANDED / FOLIAR

The PlantRite Micronutrient line offers individual multi-chelated micronutrients that are highly efficient and easy to use. PlantRite Micronutrients can be mixed with most liquid products or fertilizers and are available in:

Mn, Zn, Fe, Cu (multi-chelated)
Ca, Mg (chelated)
B, Mo (not chelated)

KEY BENEFITS

- TARGETED MICRONUTRIENTS
- BALANCED CROP NUTRITION
- HEALTHY PLANT GROWTH

06 FOLIAR

STRONG STARTS. HIGHER POTENTIAL.

MaxGrow®

IN-FURROW / SOIL / FOLIAR

MaxGrow is a high-quality soil and foliar biostimulant. Its technologies incorporate the best in soil enzyme activators, organic acids and specialized sugars that allow for extended activity on the surface of the leaf and increased energy for the growing crop.

KEY BENEFITS

- PROMOTES STRONG CROP DEVELOPMENT
- INCREASED CROP ENERGY

Shift™

FOLIAR

Shift foliar spray delivers a powerful boost to your plant's photosynthetic processes. By increasing the plant's energy level, plant growth and overall health are maximized. Shift contains the latest technology in organic acids and sugars as well as a complex of potassium, zinc, manganese and carbon compounds.

KEY BENEFITS

- BOOSTS PHOTOSYNTHETIC ACTIVITY
- INCREASES PLANT ENERGY

SG Push™

Custom Potato Finisher

FOLIAR

SG Push is a powerful and efficient combination of complex sugars, carbon, boron, organic acids, and foliar bio-stimulant compounds. SG Push combines the power of Shift and highly-efficient boron to increase crop energy, sugar content, and mobilization. Push can be used on many crops including root and tuber crops.

KEY BENEFITS

- ENERGY & SUGAR CONTENT
- NUTRIENT MOBILIZATION
- STRONGER CROP PERFORMANCE

AOK™

FOLIAR

AOK is a specialized combination of highly-efficient foliar potassium & sulfur with added sugars and stress relief components. AOK enhances the uptake and efficiency of other foliar nutrients. Apply at the beginning of flowering and also late season when potash demand increases.

KEY BENEFITS

- EFFICIENT POTASSIUM & SULFUR
- IMPROVES STRESS RESPONSE

Primetime™

FOLIAR

Primetime is built for early season foliar applications. Primetime contains materials optimized for early stage crop growth including root stimulants, micronutrients, carbon, sugars, and stress relief components. Primetime is well suited for corn, wheat, and forage grasses.

KEY BENEFITS

- EARLY SEASON GROWTH
- ESSENTIAL MICRONUTRIENTS

Sugar Rush™

FOLIAR

Sugar Rush is intended for mid and late season foliar application to increase crop energy reserves. Sugar Rush delivers carbon in the form of sugars that are immediately available to the plant, with additional components designed to rapidly increase plant uptake and reduce stress levels.

KEY BENEFITS

- AVAILABLE CARBON
- FAST & EFFICIENT UPTAKE

Karbon IV™

FOLIAR

Karbon IV infuses yield potential into pre-flowering beans with energy, nutrients, plant growth products and stress mitigators. It helps build roots, improve leaf size, and enhance yield potential.

KEY BENEFITS

- PROMOTES EARLY CROP DEVELOPMENT
- REDUCES HERBICIDE STRESS

Karbon IQ™

FOLIAR

Karbon IQ is SummitGold's next-generation foliar program designed to consistently promote higher yields while helping plants endure seasonal stress. Karbon IQ combines nutrients, biological technologies, plant growth promotion, and stress relief. Karbon IQ supports healthier, more productive crops throughout the growing season while improving bean size.

KEY BENEFITS

- BOOSTS PHOTOSYNTHETIC ACTIVITY
- INCREASES PLANT ENERGY
- EFFICIENT NUTRITIONAL FEED

Forage Fuel™

FOLIAR

Forage Fuel provides micronutrients, sugars, and amino acids for fast growth. Forage Fuel replenishes nutrition and energy to the plant at spring green-up and after each cutting. Forage Fuel is a season-long program designed to improve protein synthesis and protein availability within the forage. The result is improved digestibility and ration efficiency.

KEY BENEFITS

- ENERGY & SUGAR CONTENT
- IMPROVED PROTEIN AVAILABILITY
- STRONGER CROP PERFORMANCE

FasteN™

FOLIAR

FasteN 19-0-0-2S serves as an immediately available nitrogen foliar source for broad application use. FasteN can be used to help overcome nitrogen deficiency but is specifically formulated to help plants optimize yield during reproduction.

KEY BENEFITS

- IMMEDIATELY AVAILABLE
- REPRODUCTIVE NITROGEN

Krazy Beans™

FOLIAR

Krazy Beans is a premix of foliar nutritional products that is used mid to late season on soybeans. It is specifically designed to help plants manage stress and push K, B, and N into developing pods. This allows the bean to be more efficient during its fill cycle and increase overall yield.

KEY BENEFITS

- AVAILABLE CARBON
- FAST & EFFICIENT K UPTAKE

07 SPECIALTY

STRONG STARTS. HIGHER POTENTIAL.

SG ReLEAF™

FOLIAR

SG ReLEAF builds tolerance against physical and mechanical injury as well as environmental stress. SG ReLEAF contains compounds that mitigate the effects of stress, especially ethylene production. SG ReLEAF also contains specific nutrients and components that have been found to enhance productivity of plants.

KEY BENEFITS

- PROMOTES STRONG CROP DEVELOPMENT
- STRESS REDUCTION
- ETHYLENE INHIBITOR

Defender™ K

IN-FURROW / FOLIAR

Defender K is a 0-0-19 concentrated liquid fertilizer derived from potassium phosphite. Defender K is phloem-mobile and helps move nutrients more efficiently through the plant. Defender K assists in cleaning out sugar tubes, improving overall plant and root health. Every gallon of Defender K contains 3.35 pounds of phosphorous acid.

KEY BENEFITS

- ACTIVATES PLANT IMMUNITY
- IMPROVES CROP HEALTH
- MOBILIZES NUTRITION

K-Max™ 24

IN-FURROW / FOLIAR

K-Max 24 delivers fast and efficient potassium. K-Max 24 combines potassium with organic acid to increase plant uptake and mobility. K-Max 24 is highly available to plants through foliar application and is quickly rainfast.

KEY BENEFITS

- EFFICIENT POTASSIUM
- NUTRIENT MOBILIZATION

N-Flux®

FOLIAR

N-Flux is a 28% Triazone-Urea, slow-release nitrogen with added manganese or boron. N-Flux increases nitrogen absorption safely, and improves translocation and remobilization. Using N-Flux at 1/2 gal per acre with your post-emerge herbicide shows evidence of an improved weed kill while also feeding your crop.

KEY BENEFITS

- EFFICIENT NITROGEN & MANGANESE
- SLOW RELEASE

SG Expand

IN-FURROW / FOLIAR

SG Expand is a proprietary kelp blend designed to enhance crop growth and yield. Applications can be targeted based on the crop and its stage of growth. Unique blends are available for early season root growth or mid-season foliar applications.

KEY BENEFITS

- IMPROVES ROOT INITIATION & GROWTH
- INCREASES YIELD POTENTIAL

SG KelpMaxx

IN-FURROW / FOLIAR

KelpMaxx delivers high-quality kelp extracts and micronutrients. Foliar or soil banded application of KelpMaxx will increase nitrogen use efficiency and promote crop growth, health, and nutritional uptake. Kelp is known for its vitamin and enzyme ingredients that manage stress and alter nitrogen forms, improving yield in season.

KEY BENEFITS

- BOOSTS PHOTOSYNTHETIC ACTIVITY
- INCREASES PLANT ENERGY
- IMPROVES STRESS RESPONSE

08 SPRAY ADDITIVES

STRONG STARTS. HIGHER POTENTIAL.

SG Unify

SPRAY TANK STABILIZER

SG Unify is a multifunctional blend of compatibility agents, nonionic surfactant and water conditioners in one product. SG Unify improves the functionality of glyphosate/2,4-D combinations. It also improves the compatibility of fertilizer/chemical combinations.

KEY BENEFITS

- INCREASED FOLIAR UPTAKE
- SPRAY COMPATIBILITY

Perc

IN-FURROW / SPRAY ADJUVANT

Perc is a soil penetrating agent that can be used with phosphates or sulfates. It is commonly used in minimal amounts in-furrow with starter fertilizers or sprayed on the surface to allow water to move through the planting furrow or directly into the soil. This maximizes oxygen for root growth and biological activity, improving yield potential.

KEY BENEFITS

- SOIL DISSOLVED OXYGEN
- IMPROVES SEEDLING EMERGENCE
- IMPROVED WATER INFILTRATION

CONTROL DUO

DRIFT REDUCTION / DEPOSITION

CONTROL DUO is a drift mitigation, deposition, retention & surfactant system. CONTROL DUO is a very effective multifunctional adjuvant that provides superior drift mitigation and enhanced pesticide uptake. CONTROL DUO is known to improve late-season fungicide uptake, verified by the fungicide manufacturers.

KEY BENEFITS

- DRIFT MITIGATION
- PESTICIDE UPTAKE
- SURFACTANT

pHix

WATER TREATMENT / SPRAY ADJUVANT

pHix is an acidifier/buffer with a built-in pH indicator. This product solves three important factors affecting spray water: pH, hardness and conductivity. Using pHix increases the efficacy of all pesticide sprays. It's especially helpful to achieve a pH of 4.5 to maximize glyphosate activity.

KEY BENEFITS

- REDUCES WATER HARDNESS
- ACIDIFIES WATER

09 ORGANIC MATERIALS

STRONG STARTS. HIGHER POTENTIAL.

NForce

IN-FURROW / BANDED / FOLIAR CDFA OIM REGISTERED

N-Force delivers plant-based amino acid nitrogen in a liquid form with virtually no odor. It is highly efficient, easy to use in liquid bands or sprays, and contains 8% N in each gallon.

KEY BENEFITS

- PROMOTES STRONG CROP DEVELOPMENT
- DELIVERS EFFICIENT NUTRITION

Compliment®

IN-FURROW / SOIL / FOLIAR | WSDA OIM REGISTERED

Compliment contains an array of aerobic (oxygen-loving) and anaerobic (oxygen-limited) microbes which are naturally occurring in the environment. The microbes found in Compliment are included at very high concentrations to ensure maximum benefit to the soil. These microbes are focused on nutrient release and root production.

KEY BENEFITS

- INCREASES ROOT MASS
- IMPROVED NUTRIENT RELEASE
- NITROGEN & PHOSPHORUS EFFICIENCY

Adagio™ Zn7

IN-FURROW / BANDED / FOLIAR | WSDA OIM REGISTERED

Adagio Zn7 contains 7% zinc, specialized sugars and organic acids that will help increase plant energy, nutrient uptake and overall vigor. Multiple applications of moderate amounts as a foliar improve potential for higher yields.

KEY BENEFITS

- ENERGY & SUGAR CONTENT
- IMPROVED ROOT GROWTH

SG Fulvic

IN-FURROW / SOIL / FOLIAR | WSDA OIM REGISTERED

SG Fulvic contains soluble carbon compounds available to both crops and soil microbes. Fulvic acid will also increase the nutrient availability from soil minerals. SG Fulvic adds cation exchange capacity when soil applied and assists in complexing micronutrients released by soil biology.

KEY BENEFITS

- FEEDS MICROBES
- MOBILIZES NUTRIENTS

Originate™ ST

SEED TREATMENT | WSDA OIM REGISTERED

Originate ST is a seed treatment that includes viable biological technologies promoting a quick and sustained germination. As the seedling grows, the beneficial microbes found in Originate ST quickly inhabit the root zone and help promote a vigorous and healthy root system and stand.

KEY BENEFITS

- BENEFICIAL MICROBES
- INCREASES NODULATION
- VIBRANT, HEALTHY ROOT SYSTEMS

Convert™

IN-FURROW / FOLIAR | WSDA OIM REGISTERED

Convert contains multiple carbon compounds and plant-derived potassium. Applications of Convert increase the photosynthetic capability of the plant which results in an increased sugar content and yield.

KEY BENEFITS

- ENERGY & SUGAR CONTENT
- EARLY SEASON GROWTH

SG Accelerate™ Prime

SOIL | WSDA OIM REGISTERED

SG Accelerate Prime is a biological crop residue degrader. Containing powerful cellulose and lignin degrading microbes, SG Accelerate Prime works fast to soften residue and speed the decomposition of manure & compost to release locked-up nutrients. SG Accelerate Prime converts your locked-up fertilizer investment back into yield.

KEY BENEFITS

- BENEFICIAL SOIL MICROBES
- STRONG RESIDUE BREAKDOWN

10 TURF & ORNAMENTALS

STRONG STARTS. HIGHER POTENTIAL.

SG-180™

SOIL / FOLIAR

SG-180 is a complex of enzyme biostimulants, organic acids and soil penetrants formulated for the turf market. When applied at the recommended rate of 1 gal/acre, turf grass shows significant increases in root development and overall plant health.

KEY BENEFITS

- PROMOTES STRONG ROOT DEVELOPMENT
- DELIVERS EFFICIENT NUTRITION

SG-360™

FOLIAR

SG-360 is a proprietary blend of the latest in turf technology. When applied at the recommended rate of 2.5 gal/acre, turf grass demonstrates better tolerance to disease and overall pressures brought on by humid and wet conditions.

KEY BENEFITS

- IMPROVED IMMUNE RESPONSE
- IMPROVES CROP HEALTH

SG Color Pro™

FOLIAR

SG Color Pro is a 12-0-0 that delivers long-lasting, beautiful color to all varieties of turf. In addition to nitrogen, your turf also receives a precise dose of magnesium, sulfur, iron and manganese to further optimize the color response.

KEY BENEFITS

- ENERGY & SUGAR CONTENT
- NUTRIENT MOBILIZATION
- LONGER-LASTING COLOR

SG Turf Pro™

FOLIAR

SG Turf Pro is a proprietary custom blend designed to enhance turf growth and quality for commercial turf grass production. SG Turf Pro delivers micronutrients that are fundamental to high-quality turf production. It also includes bio-stimulants and soil penetrant components that maximize root growth and significantly speed regrowth on multiple sod varieties.

KEY BENEFITS

- IMPROVES WATER & OXYGEN CONTENT
- INCREASES ROOT GROWTH
- TURF MICRONUTRIENTS

NOTES

11 APPLICATION GUIDE

ANALYSIS · RATES · SPECIFICATIONS

PRODUCT	ANALYSIS	APPLICATION RATE	PRODUCT DESCRIPTION	USE DESCRIPTION	LBS/ GAL	ORGANIC
7-25-5™	7-25-5	IF: 3-10 gal Foliar: 1-3 gal	High orthophosphate starter & foliar fertilizer	On-seed starter & foliar phosphorus supplement	11.30	
SG InFuze™	2-0-0 1.5% Zn 0.3% Mn 0.2% Cu 0.04% B 0.001% Mo	IF: 2 qt	Micronutrients, Microbial Inoculant & Activator, Seedling Protectants	Apply with on-seed starter to enhance nutrient uptake, rooting and crop vigor	9.33	
SG Assist™	.3% Zn	IF: 2-4 qt	Microbial Inoculant & Activator	Apply in-furrow or broadcast to enhance nutrient uptake	8.44	
Originate™ ST	N/A	3-6 oz / 100 lb	Microbial Seed Treatment	Treats seed with high-quality microbes in high concentrations	8.40	✓
Surge™	0.3% Zn 0.3% Mn 0.3% B	Conc: 1 gal RTU: 3-5 gal	Sugars, food sources and organic acids	In-furrow bean starter gives seeds a head start out of the gate, encouraging great root growth	9.00	
RhizoSpear	3-2-0.5 NPK Zn 2.4% 0.55% Mn 0.3% Cu 0.06% B	1-2 qt	Micronutrients, Amino Acids, and Stress Mitigators	When you put your seed in the ground, you want it to have the best opportunity to germinate and emerge healthy.	9.90	
N-Gauge	0.02% Mo 0.0005% Co	1 qt per 25 gal	Nitrogen Stabilizer	This is gentler and allows the microbes to release N over the next several weeks as organic N	8.80	
Breakthrough™	N/A	2 oz per 50 lb seed	Seed Treatment with Microbial Inoculant & food source	Apply with or without chemicals on seed to improve stands & reduce plant stresses	8.40	
Compliment®	N/A	IF: 1 pt	In-Furrow Microbial Inoculant	Apply with on-seed starter or as a seed treatment to establish beneficial microorganisms	8.40	✓
10-13-13	10-13-13	5-10 gal	100% Ortho Phos starter fertilizer	In-furrow application N-P-K supplement	11.00	
8-29-2	8-29-2	5 gal 2x2 up to 20 gal	50/50 Ortho Poly	Side band replacement for 10-34-0	11.40	
SG Humic	12% Humic Acid	IF: 1-2 qt Broadcast: 2-4 qt	Concentrated Humic Acid derived from Leonardite	Provides additional energy to the growing crop while also helping feed the biology working in the soil.	9.20	
InterVene®	0.02% Mo 0.0005% Co	1 qt per 25 gal	Fulvic Acid with Kelp and Micronutrients	Increase nitrogen retention and use efficiency; apply with liquid N bands	8.60	
SG Fulvic	N/A	8-32 oz Banded / Broadcast / Foliar	Fulvic Acid	Apply on soil to increase available carbon and soil nutrition.	8.40	✓
SG Accelerate™	0-1-0.5	Broadcast: 1 qt	Residue Management & Degradation	Apply to exposed residue in fall or early spring to weaken residue tissue and release nutrition	8.50	✳
SG Infiltr8™	Soil Penetrant	Broadcast: 2 qt	Soil Penetrant & Conditioner	Increases water penetration and retention	8.40	
SG Hydr8-R™	N/A	Broadcast: 2-4 qt	Salt Remediation w/ surfactant	Apply on soil to unlock calcium and move sodium down through profile	9.30	
SG Advance™	2-7-7 .5% Zn .3% B .2% Mn	Foliar: 2-4 qt	Macro and Micronutrient Spray	Apply as a foliar to feed and protect plant from disease pressure	10.50	

PRODUCT	ANALYSIS	APPLICATION RATE	PRODUCT DESCRIPTION	USE DESCRIPTION	LBS/ GAL	ORGANIC
Plant Rite Chelated Micronutrients Microstart™	**4% Zn 1% Mn .25% Fe .1% B .5% Cu .025% Mo .01% Co .01% Ni**	**IF: 1-4 pt Banded: 1-4 qt**	Micronutrients	Apply with on-seed starter to add chelated micronutrients to germinating seed	**10.15**	
Plant Rite Chelated Micronutrients Balance	**2% Zn 2% Mn 2% B .25% Fe .5% Cu .025% Mo .01% Co .01% Ni**	**IF: 1-2 pt Foliar: 1-2 qt**	Micronutrients	Apply foliar to add chelated micronutrients to growing plant	**10.70**	
Plant Rite Chelated Micronutrients Boron	**8.0% B 0.05% Mo**	**Foliar: 1-4 pt Banded: 1-4 pt Do not apply on-seed**	Micronutrients	Apply foliar or in off-seed fertilizer bands to supplement boron and molybdenum, and mitigate stress impacts. **DO NOT APPLY ON-SEED**	**10.50**	
PlantRite™ Micronutrients	—	**Foliar: 1-2 pt Banded: 1-2 pt Moly: 2-8 oz**	Micronutrients	9% Zinc 5% Manganese 5% Copper 4% Iron 3% Calcium 2.5% Magnesium 10% Molybdenum	**11.00 10.70 10.30 10.10 10.00 10.50 10.10**	
MaxGrow®	**1% Zn**	**Soil or Foliar: 0.5-2 pt**	Organic Acids, Sugar Compounds, Microbial Stimulant	Apply as a foliar spray to increase crop vigor and energy	**8.56**	
Shift™	**0-0-2 .1% Mn .1% Zn**	**Foliar: 2 qt**	Shift delivers a powerful boost to your plant's photosynthetic processes.	Apply as a foliar feed to increase energy level and add nutrients to growing crop	**10.40**	
SG Push™ Custom Potato Finisher	**0-0-1 1.0 B 0.1% Zn 0.1% Mn**	**Foliar: 1 gal**	Micronutrients	Late-season foliar feed designed to increase tuber bulking through multiple modes of action	**9.83**	
AOK™	**0-0-16-6S**	**Foliar: 1-4 qt**	Potassium, Sulfur, Sugar, Stress release	Foliar feed mid to late season to deliver potassium and sulfur to the crop	**10.55**	
Primetime™	**0.25 Zn 0.25 Mn 0.25 B 0.07 Cu**	**Foliar: 2-4 qt @ V3-V4**	Micronutrients	Foliar feed for corn V3 or soybeans V3-R1 delivering stress relief, carbon and micronutrients.	**9.27**	
Sugar Rush™	**2-0-1-1S**	**Foliar: 1-4 qt**	Carbon, Sugars	Foliar feed mid to late season to increase crop energy	**10.15**	
Karbon IQ™	**1-1-6 .4% B .1% Mo .09% Zn**	**3-4 qt/ac at V3**	Energy, Nutrients, and Crop Smart Technology	Apply in-furrow or as a foliar treatment at R1-R4 to enhance nutrient uptake, support plant growth, and improve bean size.	**9.40**	
Karbon IV™	**0-0-3 .5% B .3% Zn .25% Mn .085% Mo .0014% Co .0014% Ni**	**3-4 qt/ac**	Early plant growth, improve nutrient uptake, maximize bean count	Apply in-furrow, to soil, or as a V2-V4 foliar treatment to support root development, improve leaf size and yield	**9.40**	
Forage Fuel™	**0-0-1 .8% Zn .8% Mn .8% B .01 Mo .004% Ni .004% Co**	**2 qt/ac**	Replenishes crop nutrition to support alfalfa/forage growth.	SG Alfalfa Blend provides micronutrients, sugars, and amino acids for fast growth.	**9.60**	
Branch Manager™	**2-7-7 .5% Zn .3% B .2% Mn**	**Foliar: 2-4 qt**	Micros, energy, stress relief & biologicals	Foliar application to relieve stress, provide growth, and program yield. Apply any time after V3 corn/beans	**10.50**	
FasteN™	**19-0-0-2S**	**Foliar: 1-5 gal**	Foliar N	A superior mixing, quick-acting form of foliar N	**9.70**	

PRODUCT	ANALYSIS	APPLICATION RATE	PRODUCT DESCRIPTION	USE DESCRIPTION	LBS/ GAL	ORGANIC
Krazy Beans™	8-0-8 1.0% B .1% Mo	Foliar: 2-4 qt	Quick-acting N, K foliar with boron	Fills pods and kernels quickly during reproduction. R3-R5 & VT or brown silk	10.20	
SG ReLEAF™	0-0-22	Foliar: 4-8 oz	Crop Stress Management / ethylene inhibitor	Foliar application reduces impacts of crop stress due to extreme temperatures, drought, hail, etc.	10.80	
Defender™ K	0-27-19	Foliar: 1-4 pt	Potassium Phosphite	Fungal suppression, clean roots and vascular tissue	11.30	
K-Max™ 24	0-0-24	IF: 1-4 qt Foliar: 1-8 qt	Liquid Potassium	High-efficiency liquid potassium quickly available and rainfast	10.58	
N-Flux®	28-0-0 .3% Mn	Foliar: 0.5 to 2 gal	28% Triazone Urea	Apply as a foliar with post-emerge herbicide application	10.70	
SG Expand™	N/A	Soil: 4-8 oz Foliar: 4-8 oz	Biostimulant Growth Enhancement	Apply to soil or foliar to enhance growth	8.55	
SG KelpMaxx™	0.065% Mo 0.0015% Co	Foliar: 1 pt Banded: 1 pt	Kelp & Micronutrients	Apply foliar or with fertilizer bands to increase nutritional uptake, crop growth, and nitrogen use efficiency	8.70	
CONTROL DUO™	Non-Ionic Surfactant Blend	Spray: 1-2 qt / 100 gal spray volume	Spray Adjuvant	Multifunctional adjuvant that provides superior drift mitigation and enhanced pesticide uptake	8.70	
pHix™	N/A	See Label	Acidifier Buffer	Treats spray water to combat pH, hardness and conductivity	10.00	
SG Unify™	N/A	2 qt / 100 gal	SG Unify is a multifunctional blend of compatibility agents and nonionic surfactant.	ELIMINATES the need to add surfactant under most conditions.	9.50	
Militia-S™	N/A	IF: 1 qt Broadcast: 1-2 qt	Beneficial microbial treatment including bacteria and fungi	Apply with on-seed starter and broadcast applications to enhance beneficial microbial conditions	8.40	
Perc™	N/A	IF: 2-3 oz Soil: 6-8 oz	Perc improves soil penetration and enhances oxygen availability.	Apply in-furrow with starter fertilizers or as a surface spray to improve water movement through the soil and support healthier root development.	10.00	
Nforce	8-0-0 Liquid	Contact Rep	Amino Acid Organic Nitrogen	Apply banded, broadcast, or foliar for nitrogen in organic operations	9.90	✓
Adagio™ Zn7	7% Zn	Soil: 1 gal Foliar: 1-5 gal	Organic Acids, Sugar Compounds, Microbial Stimulant	Apply to soil or foliar to increase nutrient uptake and plant vigor	10.25	✓
Convert™	0-0-3 + Fulvic Acid	IF: 2-4 qt Foliar: 2-4 qt	Carbon Compounds, Sugars, Fulvic Acid	Apply with on-seed starter or foliar for food source and energy	10.40	✓
SG Accelerate™ Prime	N/A	Soil: 1-4 pt Foliar: 1-2 pt	Organic Acids, Sugar Compounds, Microbial Stimulant	Apply to exposed residue in fall or early spring to weaken residue tissue and release nutrition	8.4	✓
SG-180™	1-3-2	Foliar: 1 gal	Root enhancement	Apply to turf grass to increase root depth and mass as well as plant health	8.85	
SG-360™	5-13-8	Foliar: 1-2.5 gal	Fertilizer & Urea Phosphite	Apply to turf grass to increase tolerance to disease pressure	10.20	
SG Color Pro™	12-0-0 .5% Mg - 4% S 5% Fe - 1% Mn	Foliar: 1-2 gal	Turf Color Up	Apply to turf grass for enhanced color	11.10	
SG Turf Pro™	—	Foliar: 1 gal	Micronutrients, Organic Acids, Soil Penetrant	Apply to commercial turf grass to reduce time of regrowth and improve turf quality	9.10	

✓ Organic ✱ Organic version available **IF** = In-furrow **Conc** = Concentrate **RTU** = Ready to use

12 NOTES

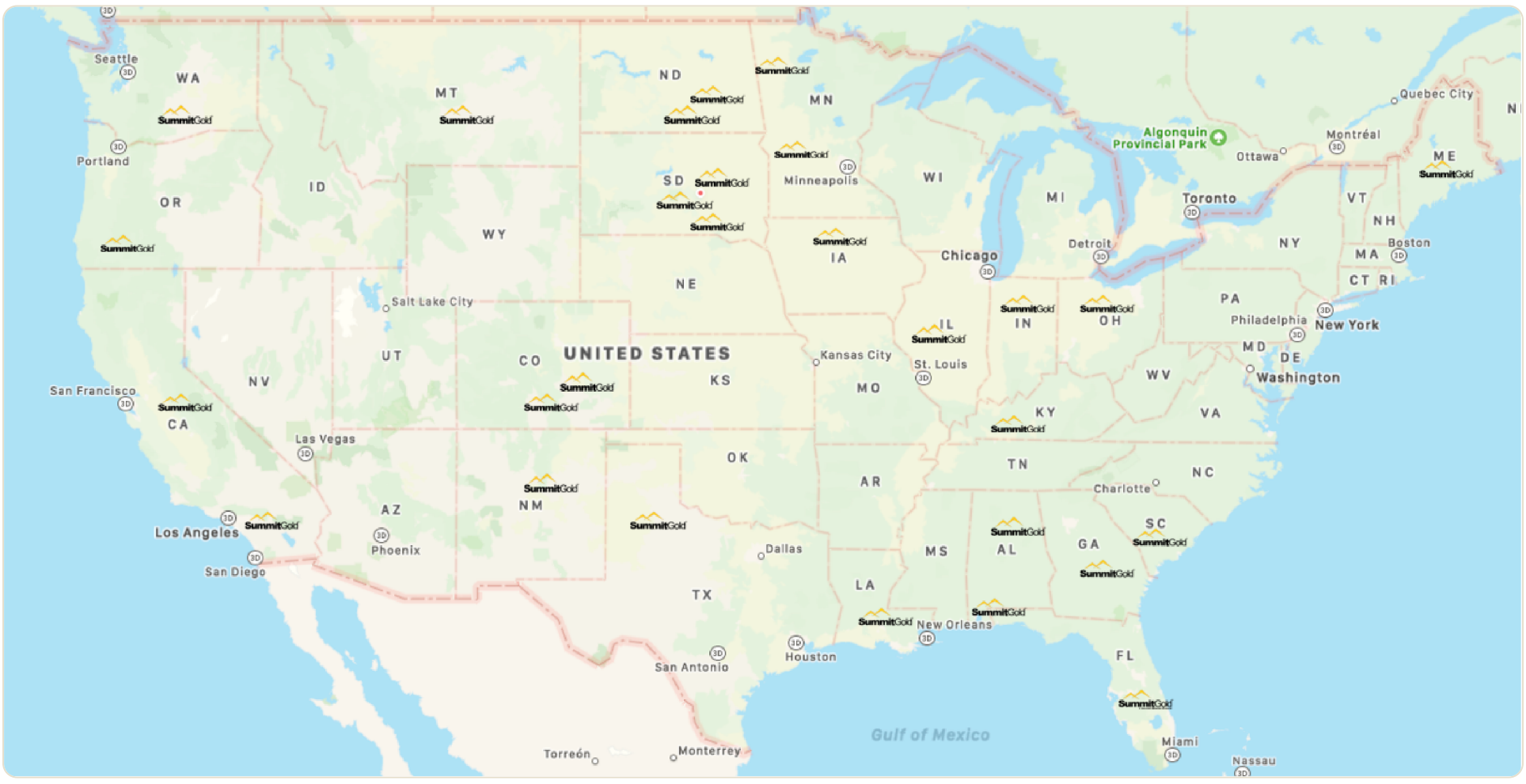
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