



CONKLIN[®] AgroVantage[®] SYSTEM

The Total Systems Approach For Your Crop Management Program



Maximize your profits and increase your yields with a world-class crop management system.

Developed through decades of field trials and national research, AgroVantage® has become one of the most progressive and proven crop management systems available. Because our owner is also a lifelong farmer, we understand the management decisions you face in today's competitive marketplace, and the commitment needed to take your crop to the next level.

The primary benefits of the AgroVantage include:

- Proper soil testing. This helps you identify your soils' limiting factors and recommends nutrients to positively impact your yields.
- Quality, proven products that maximize the potential of your soil and seed genetics. With AgroVantage, you never spend your input dollars on nutrients your crops won't use.
- Ongoing technical and practical training. Discover a completely different way of feeding your crops. Then put your new insights to work in your own farming practice with remarkable results.



Farmer-Owned

"I am proud to be in agriculture, farming the land my great-grandfather homesteaded over 100 years ago. As owner of Conklin, I'm dedicated to providing quality products and production agriculture systems to help you achieve higher yields as part of my commitment to help preserve the family farm."

— Charles W. Herbster
Owner of the Conklin Company, Inc., Carico Farms Inc.,
Herbster Angus Farms, Inc., and North American Breeders, Inc.

The system of champions

Conklin has recognized top producers who have won a combined total of over 900 National Corn Growers Association (NCGA) and National Sorghum Producers (NSP) champion yield titles by integrating Conklin's AgroVantage® System into their winning strategies. The winners of over 100 national and over 900 state titles consider Conklin's innovative products the system of choice for championship yields. As more producers discover our proven system, the number of AgroVantage champions continues to climb.

You owe it to yourself to check out the AgroVantage System to reduce input costs, increase yields, and become a champion in your own right!

What Conklin Champions Say

"By simply applying the information I've learned from Conklin in my farming practices, I've seen a dramatic impact on my profits and have lowered my cost per bushel substantially. For more than 10 years, I have been incorporating Conklin products and the knowledge gained from attending Pro Ag I and Pro Ag II training into our operation. We have seen a 30-BPA increase in corn yields and a 7-BPA increase in soybean yields. We were also the top yield winner in North Dakota for corn in 2016. We were able to accomplish all of this by simply following the AgroVantage System recommendations!"

Jay Myers, NCGA State Champion, North Dakota

"By following Conklin's AgroVantage recommendations, our input costs aren't skyrocketing. Yet we've seen our overall farm average corn yields increase by at least 100 BPA since 2001!"

Jerry Cox, 24-Time National NCGA Winner, Missouri

Take the guesswork out of diagnosing your soils' nutrient requirements.



A complete, Web-based, interactive system. Unlike many other tests which offer just the basics, Conklin's more than 30 year partnership with Midwest Laboratories® provides a complete soil and plant analysis in a professional, easy-to-understand format and sends this information electronically to Conklin. Conklin utilizes this information to create AgroVantage recommendation reports from our in-house program. Bringing the program in-house allows us to serve you even better by offering alternative starter recommendations, including new products as they are introduced and revising fertilizer placement recommendations to achieve the optimal results, while providing you with real-time, personalized diagnosis of your field's nutrient status.

AgroVantage Soil Testing

Soil testing improves your return on investment (ROI)

Complete soil testing is essential to maximize the effectiveness of your crop production operation. The AgroVantage System provides one of the most technologically advanced soil analysis systems available. Results include nutrient recommendations, application rates, and placement for nitrogen, phosphorous, and potassium, as well as secondary and micronutrients.

AgroVantage Tissue Testing

Tissue testing unlocks secrets to higher yields

The nutrient status of the growing plant is one of the most overlooked factors affecting crop yields. Measuring the flow of nutrients to the plant tissues during the growing season will detect unseen deficiencies before visual symptoms appear. Plant tissue analysis provides a tool to detect nutrient problems, diagnose deficiencies, and determine if your soil fertility program is providing the necessary uptake to reach your yield goals.

Grow your knowledge and enhance your yields.

Our goal is to provide practical, ongoing training that is as effective as our products, to help our growers make the most profitable decisions.

Conklin training covers how to:

- Take the guesswork out of diagnosing your soils' nutrient requirements
- Utilize a complete soil-testing program from an independent national lab
- Decrease your nitrogen rates by up to 20%
- Learn about the efficiencies of row-placed fertilizer
- Understand the benefits of foliar feeding for your crops
- Select the proper surfactant for your spray application

Pro Ag I

Pro Ag I provides the foundation for Conklin's AgroVantage System, gives you practical knowledge that will help you produce higher yields, and squeeze extra profit from every acre, and introduces you to Conklin's AgroVantage products.

Pro Ag II

Pro Ag II delves even deeper into soil analysis, soil fertility, and foliar feeding. Successful completion of Pro Ag I is required to attend.



What Conklin Champions Say

"The Conklin AgroVantage Web-based, online soil and plant analysis system is a true "precision Rx" for crops. This system goes well beyond the traditional "bare bones" recommendations that are so common in the industry. First off, the report's test numbers are determined by the nation's leading independent agricultural lab — Midwest Labs, Inc. out of Omaha, Neb. AgroVantage System recommendations for major, secondary, and micronutrients are the only ones we will use for our extensive client base. These results are based on nearly 40 years of proof, reliability, and profitability for our customers and used by many state and national yield champions."

Dennis Dammen, CropMaxx™ Crop Consulting, Minnesota



What Conklin Champions Say

"Many growers tell me that attending Pro Ag training makes them \$10 - \$15/acre their first year, even if they only make one or two changes in their crop management system."

Rod Livesay, Iowa

"I have attended Pro Ag I several times. The information this program provides helps us get more yield from our crops: corn, soybeans, and wheat. With low commodity prices, farmers need increased yields. With Conklin, we do get increased yields, less input costs, and a better bottom line. Our overall farm operation has changed a lot from the time we were first introduced to Conklin."

John Wicht, Jr., Minnesota



Protecting nitrogen investments for over 30 years, Guardian® saves money on nitrogen inputs, increases yields.

Nitrogen is one of your most expensive inputs. On top of that, once applied, much of it can be lost to natural processes such as denitrification, leaching, and runoff. Guardian slow-release nitrogen fertilizer additive “holds” plant-available nitrogen in the root zone longer, allowing you to cut your application rates by up to 20%. When you combine decreased nitrogen loss and application rate with higher yield potential, Guardian is one smart choice.

Increase yield while decreasing nitrogen rate up to 20%

Guardian’s non-toxic formula contains dicyandiamide (DCD), which has been shown to have minimal effect on total soil microbial biomass. In addition, Guardian has gained world-wide recognition for its use with ammonium-containing fertilizers. Available in dry or liquid formulas.

- Keeps plant-available nitrogen in place
- Minimizes leaching and denitrification losses
- Produces higher yields

Guardian®-L

Liquid Nitrogen Fertilizer Additive

Guardian-L is an efficient and effective means to boost your yield potential when your management practices call for a liquid. Use 1.5 to 3 quarts per acre for band; 3 to 5 quarts per acre for broadcast applications. Use with fluid fertilizers such as suspensions, urea solutions, urea ammonium thiosulfate (UAN) liquid manures, and UAN and ammonium thiosulfate (ATS) blends.

Guardian-L

- #041770 5 gallons (in two 2.5-gallon containers)
- #041774 55-gallon drum
- #041777 250-gallon mini-bulk



Guardian®-DF

Dry Flowable Nitrogen Fertilizer Additive

Apply 2 to 5 pounds per acre for band; 3 to 10 pounds per acre for broadcast applications. Use with granular or prilled nitrogen fertilizers, urea ammonium nitrate solutions (UAN), and liquid manures.

- #055405 55-lb bag

For best results, always read and follow label instructions. Results may vary.

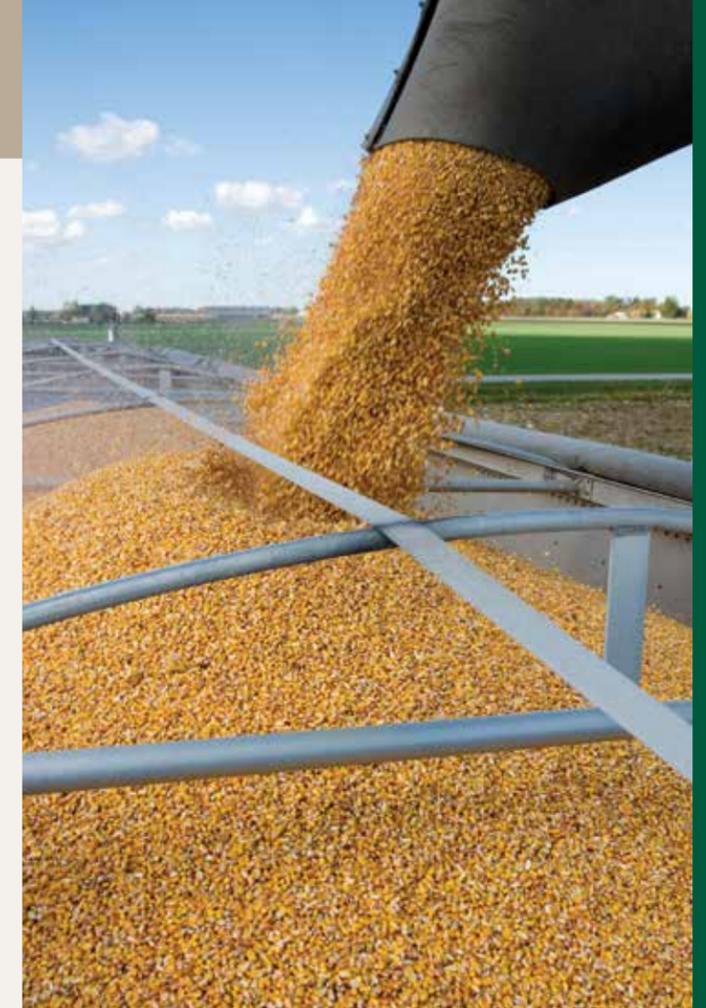
What Conklin Champions Say

“I use the AgroVantage System in-row and foliar on my corn. In 2014, I hit 338 BPA, in 2015 I reach 358 BPA, and in 2016 I had seven places on 3/10 of an acre see 420+ BPA.”

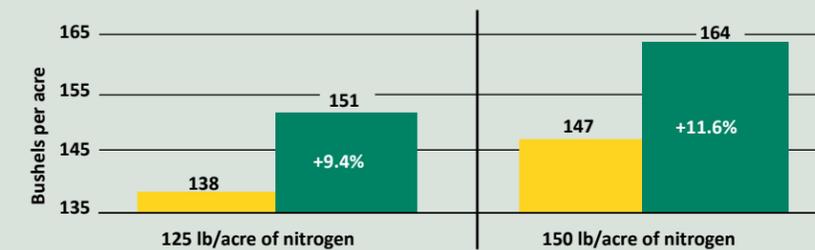
Tracy Kuper, Iowa

“I’ve planted a test plot for more than 20 years and compared AgroVantage products to many others on the market. My research has consistently shown that Guardian can cut my nitrogen by 12 pounds per acre, while producing the same yield year in and year out.”

Bernie Hand, Illinois



Applying Guardian with UAN 28-0-0 increased corn yield an average of 10%



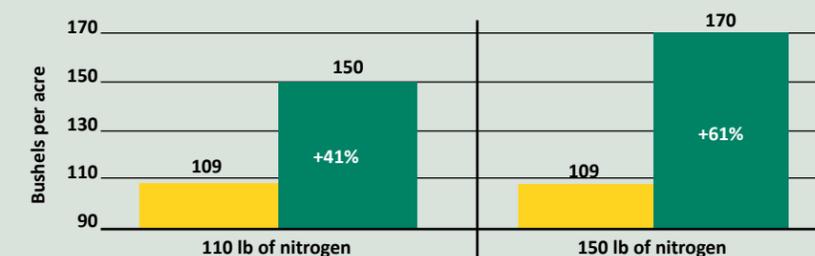
Guardian Yield Response

University of Minnesota: Corn

- Without Guardian
- With Guardian

Indicates the averages of five experiments in four years at a location in Minnesota where nitrogen losses were considered average.

Guardian improves nitrogen efficiency, increasing yield by an average of 51 BPA



Guardian Yield Response

DCD Management Study: University of Minnesota

- without Guardian
- with Guardian

This study was conducted on irrigated sand and is a great example of just how important sound nitrogen management can be.

What Conklin Champions Say

“I added Guardian to the 32% applied at pre-plant in test strips at the rates recommended by my crop consultant of \$100%, 90%, and 85%. The strip showed the 85% rate yielded the same as the 100% rate. In another test, I ran with Guardian and without; the strips with the Guardian out-yielded the other by 5-10 BU.”

Galen Pokorny, Nebraska



What Conklin Champions Say

"I share a planter with another farmer. The day it was my turn to use the planter was the day before an eight-day cold wet. The field had standing water in it three times before my corn emerged. This was my first time using any Conklin products. The difference of using Amplify-D translated into yield and made me a believer. I saw an 8-BU increase over the untreated corn. I'm not going to run without it! For my operation it is a total win!"

Ben Placke, Nebraska

What Conklin Champions Say

"We have seen up to a 20-25% yield increase in our crops: soybeans, corn, and cotton. The Conklin AgroVantage System is the highest-quality product on the market today that can increase your yields and is a more economical solution for today's lower commodity prices."

Joey Doyle, Virginia

Ramp up seed emergence with Amplify®.

The original adenosine monophosphate (AMP) seed treatment used by the world

Recommended for corn, alfalfa, small grains, cotton, and small-seeded grasses. These proprietary products provide AMP as an energy source to enhance germination and emergence. While the benefits are the same, we offer both dry and liquid-applied formulas to meet your needs. Count on increased yield and lower grain moisture at harvest, and a higher return on investment.

- Helps seeds overcome stressful, cold and wet conditions
- Faster and more uniform emergence
- Fuels early growth and vigor for enhanced plant health



Amplify-L®

Liquid Dispersible Seed Emergence Aid

This liquid-applied, seed emergence aid fuels germination and improves plant stand. Dissolve one pound of powder in 1.25 to 2.50 gallons of water to be applied to 700 pounds of small-seeded crops or 1,500 pounds of large-seeded crops.

#039651 1-lb jar

Amplify-D®

Dry Seed Emergence Aid with Micronutrients

This planter-box-applied product is an easily identifiable blue powder with talc to improve seed flow and lubrication, reducing the effects of high humidity. Use 2.5 pounds to treat 500 pounds of small-seeded crops or 1,000 pounds of large-seeded crops.

#057372 2.5-lb container

#079266 2.5-lb dispensing cap



For best results, always read and follow label instructions. Results may vary.

2016 Beck's Practical Farm Research – Seed Treatment Study - Seed Box Additive (Corn)

Purpose

To evaluate a seed box additive treatment—a seed germination aid and its ability to affect yield and profitability.

Treatments	Emerged Population	Population Difference	Bu./A.	Bu./A. Difference	Return on Investment
Control	32,694	--	202.9	--	--
2 oz./50 lb. of seed Amplify-D*	33,139	+445	208.2	+5.3	+\$18.09

Corn \$3.86/Bu. Amplify-D* \$2.37/A. Individual results may vary.

Magnify® the performance of your soybean crop.

Scientifically proven to increase soybean yields

Research proves that at least one million rhizobia added by inoculation are needed for consistent soybean yield response, which is especially important on ground where soybeans have not been grown for multiple years. Available in liquid form, Magnify® LST with Rhizobium Extension Solution provides one million live Bradyrhizobium japonicum cells per seed and a Rhizobium Extension Solution, ensuring inoculant survivability and providing additional time should weather events or breakdowns prevent planting for several days. Magnify LST increases nitrogen fixation for efficient plant development and improves pod fill to increase crop yield.

- Consistently increases yields
- Up to 28 days survivability on seed
- Easy-to-use liquid formula

Magnify® LST

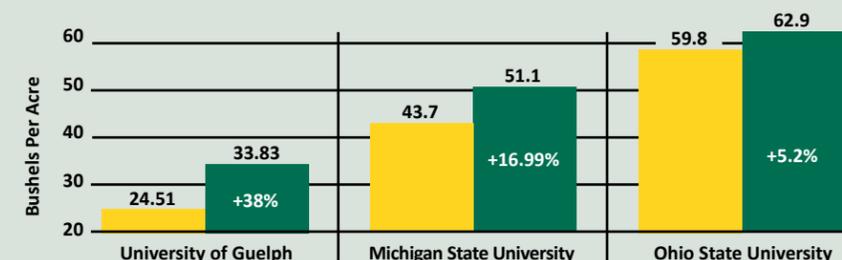
Liquid soybean Rhizobium inoculant with extension solution

This liquid soybean inoculant lasts up to 28 days on the seed before planting; best results are achieved with the shortest time from treatment to planting. This is the product of choice for on-seed and in-furrow applications. A 50.7-ounce inoculant bladder and 11.8-ounce extension solution treats 2,500 pounds (50 units of seed.)

#057407 4 – 50.7-oz inoculant bladders and 4 – 11.8-oz extension solution bladders (treats 200 units of seed)



Magnify LST increased soybean yields in three university trials an average of 20%



Magnify LST Yield Response

University Trials: Canada, Michigan, and Ohio: Soybeans

- Without Magnify LST
- With Magnify LST

Typical yield response to Magnify LST is 1-2 BPA. These studies are great examples of how important it is to use a high-quality soybean inoculant.



What Conklin Champions Say

“The Conklin AgroVantage System has increased our soybean yields by 20 bushels in a year. Our farm average is now 60 bushels per acre while our county average is 35 bushels.”

Doug Porter, Missouri

Break the yield barrier with Feast fertilizers

Feast Starter Fertilizers

Conklin’s fertilizers start with the highest quality raw materials to produce a superior finished product. Unlike most fertilizers in the industry, Feast is an absolutely clear liquid, true solution with no impurities. It has a low-salt index providing 100% orthophosphate and potash provided with potassium hydroxide. Only low-biuret* urea sources are used in these specifically formulated fertilizers.

- Over 30 years of consistent research and field-proven test results
- Non-corrosive to equipment
- Effective at lower application rates
- Demonstrated seed safety
- Food-grade and virgin raw materials

Feast Foliar Fertilizers

Bring in bumper crops with the efficiency of foliar feeding! Designed as a top-end management tool to target plants at growth stages when photosynthesis, root growth, and nutrient absorption need an extra boost, foliar feeding stimulates growth. A successful foliar application requires products of proper specifications: a very low salt index, high solubility, low-biuret*, and high purity. Feast fertilizers exceed all these qualifications for a foliar feeding program that’s highly effective at increasing both quality and yield.

- Boosts photosynthesis in essential growth stages
- Enhances growth and vigor of plants
- Non-corrosive to equipment
- Low burn potential

*Biuret is the most common impurity found in urea.



For best results, always read and follow label instructions. Results may vary.

Feast® Starter and Foliar Fertilizers

9-18-9

- #007161 55-gallon drum
- #007190 250-gallon mini-bulk
- #007112 bulk

3-18-18

- #007278 5 gallons (in two 2.5-gallon containers)
- #007260 55-gallon drum
- #007300 250-gallon mini-bulk
- #007211 bulk

2-15-19 w3S

- #041555 250-gallon mini-bulk
- #042640 bulk

8-16-11 w2S

- #040550 250-gallon mini-bulk
- #040568 bulk

Feast® Side-Kick 0-0-25 w17S

- Fortify your liquid starter foliar and sidedress mixes
- #038690 5 gallons (in two 2.5-gallon containers)
 - #038711 55-gallon drum
 - #038750 220-gallon mini-bulk
 - #038737 bulk (3,900-gallon maximum)

High Phosphorus Starter Fertilizer

8-24-0

- #040188 bulk

High Nitrogen Foliar Fertilizer

Feast®-XL 26-0-0 w0.5B

- Specially formulated for foliar feeding with Triazone®. May be used with foliar applied fungicides.
- #054593 5 gallons (in two 2.5-gallon containers)
 - #054601 55-gallon drum
 - #054590 250-gallon mini-bulk
 - #008459 bulk

Drum Accessories

- #075317 2-inch plastic faucet for 30- and 55-gallon drums

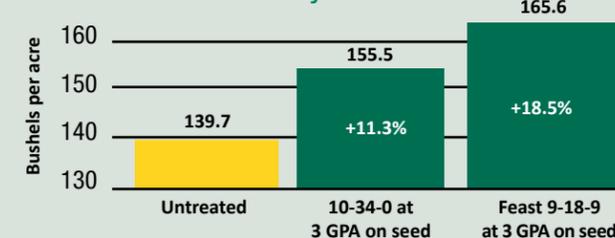


What Conklin Champions Say

“Conklin’s Feast 8-16-11 w2S starter fertilizer is the most efficient in-row plant food on the market today. This low-salt fertilizer is 100% readily available to our corn in the furrow and is seed safe to improve early germination. When you want a great return on a cost-per-bushel basis, Feast 8-16-11 w2S is top-notch quality for in-row and foliar feeding on our farm in Nebraska.”

Todd Hoffman, Nebraska

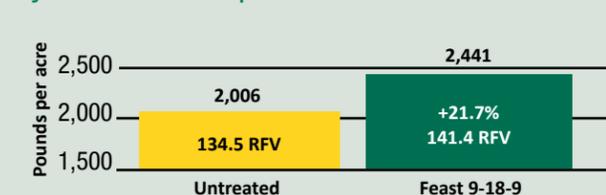
Feast 9-18-9 as a starter fertilizer increased corn yield 18%



Starter Fertilizer Yield Response

Regional Test Plot: Indiana: Corn

Foliar feeding alfalfa with Feast 9-18-9 seven days after second cutting increased third-cutting yield 21% and improved relative feed value 5%.



Foliar Fertilizer Yield Response

Independent Research: Nebraska: Alfalfa Hay

Maximize your yields with Feast[®] micro and secondary nutrients

Essential secondary and micronutrients help crops achieve genetic potential

Once you have your AgroVantage[®] soil and/or plant tissue analysis results and recommendations, choose from a full line of Feast Micro Master[®] chelated secondary and micronutrients to balance your soils' and/or plants' deficiencies. These nutrients are designed for co-application with starter or foliar fertilizers.

All of our formulations are either 100% chelated using HEDTA chelating agents (to resist soil tie-up and provide universal compatibility) or are complexed to provide ideal physical characteristics for ease-of-handling.

- Unsurpassed in consistency, purity, and nutrient availability
- 5 to 10 times more efficient than inorganic sources
- Economical, effective, and easy-to-use
- Compatible with most fertilizers

Feast Micro and Secondary Nutrients

Complexed Boron - 10%

- #037143 5 gallons (in two 2.5-gallon containers)
- #037135 30-gallon drum
- #037130 250-gallon mini-bulk
- #038980 bulk

Feast[®] Side-Kick 0-0-25 w17S - 17% Sulfur

- #038690 5 gallons (in two 2.5-gallon containers)
- #038711 55-gallon drum
- #038750 220-gallon mini-bulk
- #038737 bulk (3,900-gallon maximum)

Chelated Manganese - 6%

- #007518 5 gallons (in two 2.5-gallon containers)
- #007526 30-gallon drum
- #007590 250-gallon mini-bulk
- #007534 bulk

Chelated Calcium - 3%

- #037150 5 gallons (in two 2.5-gallon containers)
- #037168 30-gallon drum
- #037160 250-gallon mini-bulk
- #037490 bulk

Chelated Iron - 4.5%

- #007419 5 gallons (in two 2.5-gallon containers)
- #007435 bulk

Chelated Zinc - 9%

- #007617 5 gallons (in two 2.5-gallon containers)
- #007625 30-gallon drum
- #007660 250-gallon mini-bulk
- #007633 bulk

Chelated Copper - 7.5%

- #007716 5 gallons (in two 2.5-gallon containers)
- #007724 30-gallon drum
- #007770 250-gallon mini-bulk
- #007732 bulk



Has yellow flash swept through your glyphosate-resistant soybeans?

Use Conklin Feast[®] Chelated 6% Manganese to keep your soybeans a healthy, lush green, and not a nutrient-deficient yellow! Applying EDTA-chelated manganese in combination with glyphosate products has been proven to help overcome induced manganese deficiency brought on by application of glyphosate. Feast Manganese is 100% chelated using an EDTA chelating agent, and is the ideal source of manganese to co-apply with your weed control.

- Compatibility with most pesticides, most other fertilizers and other secondary and micronutrients
- Concentrated formula effective at low application rates
- 5 to 10 times more efficiency than inorganic sources
- Economical, effective, and easy-to-use product

Soil and plant tissue testing are the only reliable methods available to accurately determine nutrient status.

What Conklin Champions Say

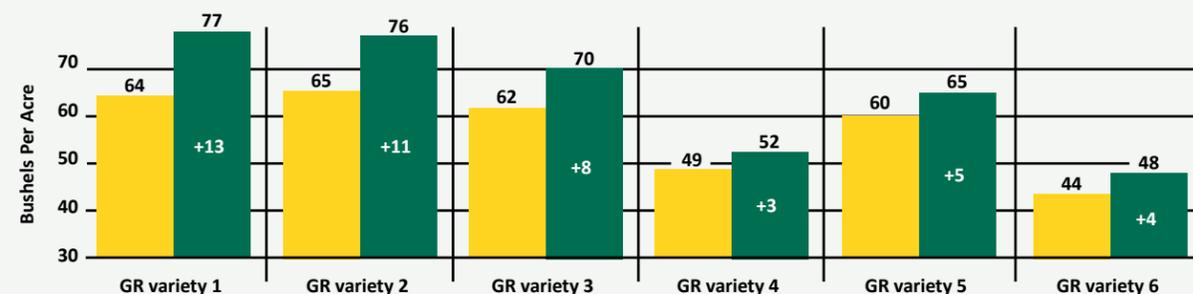
"I treated a portion of my soybean field with Roundup[®] and the rest with Roundup[®] mixed with 1 pint/acre of Conklin's Manganese. When I harvested the field diagonally, I noticed the yield monitor jumped 8 BPA where I'd applied the Manganese and dropped 8 BPA where I hadn't."

Paul Sprock, Missouri

"I increased my yields and cut input costs with the AgroVantage System. These numbers were so significant, a \$100 less input cost with a 30-bushel increase, that the AgroVantage System has earned a place in my input budget!"

Ken Seehusen, Iowa

Applying Chelated Manganese to glyphosate-resistant soybeans reduces yellow flash and improves yield by an average of 7.4^{BPA}



Feast Micro Master 6.0% Manganese Yield Response
Indiana and Illinois: Soybeans

Without Feast Manganese
With Feast Manganese

Actual yield results have varied between .5- and 10-BPA increase on soybeans.



Yellow flash will cause yield drag.



For best results, always read and follow label instructions. Results may vary.



Yield contest winners and farmers across the country have used and experienced results from Kip Cullers' Nutrient Compass Foliar Fertilizer and recommend this product as part of the AgroVantage® System.

Kip Cullers' Nutrient Compass Foliar Fertilizer®

Considered a worldwide authority on soybeans, Kip Cullers has earned multiple world records in soybean production, NCGA national yield contest wins, and world records in vegetable production. Kip Cullers has partnered with Conklin Company to bring American farmers the Kip Cullers' Nutrient Compass Foliar Fertilizer. This product is designed to increase yields and profits, while easily incorporated into current management and pesticide applications.

Developed as a collaboration between Kip Cullers and the Conklin Company, Kip Cullers' Nutrient Compass Foliar Fertilizer stimulates corn, beans, wheat, alfalfa, and other crops at strategic growth stages to push plants to achieve greater yields and increase farmers' profit potential. This is accomplished by helping the plants:

- Develop a larger root mass
- Take up more nutrients
- Increase yield and test weight

Intended for use on:

- Corn
- Soybeans/Dry beans
- Small Grains (wheat, rice, etc.)
- Alfalfa
- Cotton

For general applications, use 1-2 quarts per acre in a foliar application with most herbicides and foliar fertilizer applications.

Application windows include:

- Corn – V3-V5 and/or one week before tassel
- Soybeans/Dry Beans – V3-V5 and/or at first flower
- Small Grains (wheat, rice, etc.) – When plants are 3-8 inches tall and/or at flag leaf/boot stage
- Alfalfa – As alfalfa crowns out after each cutting
- Cotton – At pinhead square

Typically, the early applications have shown the strongest response.



Kip Cullers' Nutrient Compass Foliar Fertilizer®

A proprietary blend of NPK fertilizer, micronutrients, and sucrose, the Kip Cullers' Nutrient Compass Foliar Fertilizer is designed to stimulate plants at critical growth stages to take up more nutrients and push plants to achieve greater yields and increase farmers' profit potential.

- Encourage more photosynthesis through larger leaves
- Increase nutrient uptake through increased root mass
- Designed to be used in conjunction with the AgroVantage® System
- Low application rates, near neutral pH

#41657 5 gallons (in two 2.5-gallon containers)

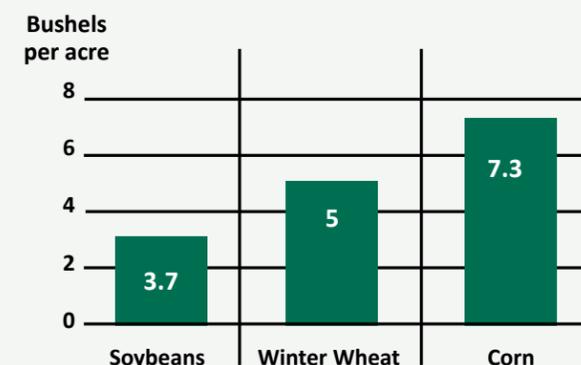
#41660 250-gallon mini-bulk



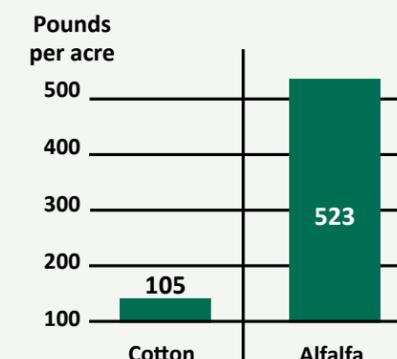
Application of the Kip Cullers' Nutrient Compass Foliar Fertilizer results in larger leaves that capture more sunlight, resulting in greater photosynthesis and plants achieving higher production levels.

Results of Using Kip Cullers' Nutrient Compass Foliar Fertilizer

Yield Advantage - Bushels per Acre



Yield Advantage - Pounds per Acre



What Conklin Champions Say

"The Kip Cullers' Nutrient Compass Foliar Fertilizer applied at V3-V5 showed an 11-bushel response. This product energizes the leaf areas on our corn and soybeans, and is the most economical return on investment foliar fertilizer product in production agriculture today."

Todd Hoffman, Nebraska





Perfect Spray Solutions

Adjuvants perform a variety of functions to improve the performance of spray applications. Conklin offers the product to match your chemical and application needs.

Rainfast® Surfactant/Wetting Agent

Produces rain-fastness, leaf wetting, and stomatal flooding

Maximizes performance of pesticide and foliar fertilizer applications. Keeps your solutions on target plants and produces stomatal flooding. Does an unbeatable job in water-based sprays and with fungicide applications. Six to 12 ounces treats 100 gallons of spray solution; one gallon treats 1,100 to 2,100 gallons of spray solution.

- Improves pesticide efficiency
- Produces superior leaf wetting, spreading, and penetration
- 100% active ingredient

#037895 1 gallon

#037911 5 gallons (in two 2.5-gallon containers)

Complete™ Liquid AMS/Drift Retardant Blend

Easy handling, fast blending, and reduced plugging

Designed primarily for use with herbicide labels which specify ammonium sulfate (AMS) for water conditioning. Formulated as a liquid product for easier handling, faster blending, and elimination of plugging problems inherent with many dry ammonium sulfate products. Each quart of Complete contains 0.85 lb of AMS.

- Highest-quality spray-grade AMS
- Contains drift retardant

#039362 5 gallons (in two 2.5-gallon containers)

#039370 55-gallon drum

#039380 250-gallon mini-bulk

#039391 bulk

Knock-Out™ Antifoam Agent

Prevents foaming for improved spray solutions

Controls both entrained and surface foam in agricultural sprays. Performs well with all agricultural chemicals and is highly recommended for use with glyphosate herbicides. Mix 1 to 2 ounces per 100 gallons.

- Prevents foaming
- Knocks down foam in spray tanks

#039495 4 - 32-oz/quart bottles (case)

Home Run® Methylated Soy Adjuvant

Increases herbicide performance and penetration into leaves

Maximizes surface spreading and penetration, and increases pesticide activity under low humidity and high temperature conditions. One to 2 pints per acre or 1 to 5 quarts per 100 gallons of spray solution.

- Improves post emergent herbicide performance
- Disperses easily for trouble-free mixing

#037937 5 gallons (in two 2.5-gallon containers)



For best results, always read and follow label instructions. Results may vary.

Bulls Eye® Drift Retardant/Deposition Aid

Keeps your spray solution on target

Cuts down on chemical losses, while maintaining an effective spray pattern. By reducing drift due to off-target movement, applicator exposure is minimized. Increases accuracy and carries the spray deeper into the canopy. One to 16 ounces treats 100 gallons of spray solution.

- Larger, more uniform droplets
- Spray in light wind conditions

#055251 12 - 32-oz/quart bottles (case)

Wex® Multipurpose Wetting Agent with NRA®

Improves liquid fertilizer and pesticide coverage and penetration

Maximizes the effectiveness of liquid-applied fertilizer and pesticides with improved suspension. Exclusive, nutrient-related action (NRA) technology stimulates root development, improving water and nutrient absorption. Results include increased root mass, higher organic matter, and higher yields. Pre-plant/pre-emerge soil amendment application rates are 1 pint to 1 quart per acre. (Consult specific pesticide labels for usage rates.)

- Improves penetration and knocks down foam
- Increases yields when used at higher rates in pre-emerge applications
- Great for burndown and pre-emerge chemical applications

#002071 5 gallons (in two 2.5-gallon containers)

#002097 55-gallon drum

#002100 250-gallon mini-bulk

#002048 bulk

Kombind® Compatibility Agent/Acidifier/Buffer

Improves blending, acidifies and buffers spray solution

When mixed with fertilizers and pesticides, improves compatibility and stability. As a compatibility agent, use 8 to 16 ounces per 100 gallons nitrogen solution fertilizers; 16 to 24 ounces per 100 gallons liquid mixed fertilizers. As an acidifier/buffer, use 1 to 24 ounces per 100 gallons.

- Prevents plugged lines
- Lowers and buffers pH of spray solutions

#009886 4 - 32-oz/quart bottles (case)

#009829 5 gallons (in two 2.5-gallon containers)

What Conklin Champions Say

"We use Conklin's Wex on every acre we plant because it makes our chemicals work better. We see a 5-to-6-BPA yield boost, and we have fewer problems with foaming and tips plugging with Wex in the tank mix."

Jerry Cox, Multi-winner,
Multi-class NCGA National Champion, Missouri

"Our growers have consistently seen better weed control and lower costs since using Conklin's AgroVantage System. We use one of the AgroVantage tools to determine the rate of adjuvants such as Complete, Kombind, Knock Out, and Bull's-Eye to be used with glyphosate. We have decreased the adjuvants costs by \$1 to \$1.50 per acre; that is a substantial savings and great weed control."

Mark Fillbrandt, CCA, Minnesota



What Conklin Champions Say

"Since adding Conklin's Feast® Side-Kick, 8-24-0, micronutrients, Wex and Pro-Serve to our fertility program for pastures, grass hay, and Bermuda grass, the tonnage and quality has increased. Pro-Serve and Wex help improve color and allow hay to be put up sooner increasing the retail value. A good Bermuda grass has a Relative Feed Value (RFV) of 85. Prior to using Conklin's products, my RFV was 96; since including the AgroVantage products in my program, my average RFV has increased 30 to 125%!"

Paul Arnold, Arkansas

What Conklin Champions Say

"No other product on the market compares to Feedstore silage inoculant. It helps the fermentation process, doesn't lose the green color, and has a perfect aroma. I am always satisfied with the end results."

Tim Hartman, Texas

"When it comes to alfalfa, I don't believe there's anything better on the market than what Conklin has to offer. With state-of-the-art plant and soil testing, high-quality liquid fertilizer, an array of Feast® Micro Master™ chelated micro and secondary nutrients, Pro-Serve® and Wex® at the swather, and Feedstore® at the baler, give it a try and you will be happy with the benefits. The AgroVantage System today still gives us the same benefits as it did almost 20 years ago!"

Delmer Yoder, Iowa



X-CYTO® stimulates plants' biological processes.

These EPA-registered plant growth regulators take crops to the next level of yield and quality. Cytokinins, naturally occurring organic plant hormones, stimulate cell division and enlargement.

X-CYTO works with existing plant hormones, enabling crops to use nutrients more efficiently at key growth stages. Both soil and foliar applications provide more vigorous plant growth leading to increased yields, and superior quality.

- Enhances utilization of available moisture and nutrients
- Generates faster maturity, higher yields, and quality
- Increases photosynthesis



Soil X-CYTO®

EPA-registered plant growth regulator

For general applications, use 10 to 30 ounces per acre with starter fertilizer in-furrow or 4 to 8 ounces per acre of seed as a seed treatment to enhance plant health, increase resistance to various challenges, and stimulate growth and development.

#054783 4 gallons (case)

Foliar X-CYTO®

EPA-registered plant growth regulator

For increased yields, depending on crop, apply 8 to 30 ounces per acre broadcast or 5 to 10 ounces per acre banded in combination with foliar feeding to stimulate plant biochemical processes and maximize plants' genetic potential.

#057744 4 gallons (case)

For best results, always read and follow label instructions. Results may vary.

What Conklin Champions Say

"Over 25 years of soil testing and foliar feeding alfalfa on non-irrigated soil in southeastern Ohio, we've seen a 30% yield increase with Conklin's AgroVantage System. Foliar feeding with X-CYTO, Feast fertilizer, and micronutrients gives our crops better leaf-to-stem ratio, higher relative feed value, more digestible fiber, and increased protein content. We often wondered what the Conklin Company would introduce to increase yields even more. We now have it... Kip Cullers' Nutrient Compass Foliar Fertilizer. We are seeing an increase in yields, faster regrowth, and the alfalfa has a really lush, super dark green color...incredible!"

Buddy Myers, Ohio

Preserve the feed value of your forage and silage.

Good forage management is more than just production. Improper fermentation, heat damage, and runoff can prevent you from getting the most nutrients from your crop.

Feedstore hay inoculant, Feedstore Generation II silage inoculant, and Pro-Serve forage treatments are necessary components of your crop management system. By promoting proper preservation, you'll recover more dry matter and retain more nutrients for your livestock.



Feedstore® Live Microbial Hay Inoculant

Bale at higher moisture levels, such as small square bales up to 25% moisture

Baling at higher moisture levels prevents leaf loss, resulting in increased protein, enhanced feed value, and greater tonnage per acre. This water-dispersible powder is the product of choice for applications at the baler. One 100-gram packet treats 25 tons of hay.

- Increases protein, feed value, and palatability
- Retains dry matter and nutritional value
- Bale at high moisture levels

#037093 100-gram packet water-soluble powder (WSP)

Feedstore® Generation II Live Microbial Silage Inoculant

Guards against spoilage, reduces runoff, and increases bunk life

Using live microbials, it promotes fast fermentation with minimal loss of nutrients and dry matter. That means more meat or milk when you feed Feedstore-treated silage to your livestock. This product, for use in vertical silos, bag systems, high-moisture wrapped bales or bunkers, is non-toxic and non-corrosive. One packet or bag treats 50 tons of forage.

- Retains more ensiled forage dry matter and nutritional value
- Reduces silage runoff and extends bunk life
- Protects against spoilage and protein loss

#055228 100-gram packet water-soluble powder (WSP)

#055236 50-lb dry granular bag

Pro-Serve® Forage Treatment

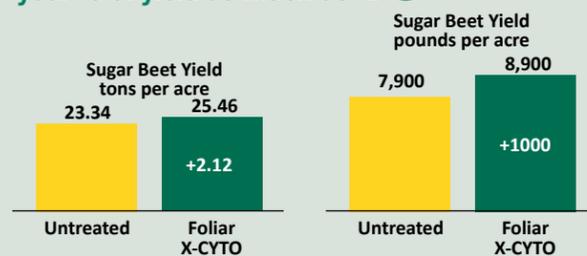
Recommended application at the swather or haybine

Pro-Serve naturally preserves hay to retain more nutrients. When applied, small square bales can be baled at up to 23% moisture; large square and large round bales with up to 20% moisture. Apply 1 ½ ounces per ton of dried, cut forage. One gallon treats 100 tons of forage.

- Greener, leafier bales with improved palatability
- Bale at higher moisture levels up to 23%
- Preserves nutritional value and dry matter for commercial hay production

#041497 1 gallon

X-CYTO can increase your total yield as much as 10%



Foliar X-CYTO Yield Response
University Trials: Montana: Sugar Beets

The AgroVantage® Crop Management System

Product	Application	Benefit
AMPLIFY-D® and AMPLIFY-L® Seed emergence aids	Dry powder and liquid dispersible formulations. Can be used on alfalfa, corn, cotton, milo, all small-seeded grasses, and small grains.	<ul style="list-style-type: none"> • Faster, earlier emergence • More uniform stand • Higher percentage of planted seeds will grow • Drier grain at harvest • Research-documented yield increases
GUARDIAN®-DF and GUARDIAN®-L Nitrogen stabilizer	Liquid and dry formulations for use with nitrogen solutions, dry urea, ammonium nitrate, and liquid manure.	<ul style="list-style-type: none"> • Enhanced nitrogen utilization and nutrition, reduced nitrogen losses, reduced denitrification • Potential to reduce amount of nitrogen applied by 10 to 20%
SOIL X-CYTO® Plant growth regulator FOLIAR X-CYTO® Plant growth regulator	Apply Soil X-CYTO at planting or pre-emerge. Apply Foliar X-CYTO post-emerge. EPA-registered.	<ul style="list-style-type: none"> • Enhances cell division • Better utilization of nutrients and moisture • Increases photosynthesis • Increases root growth • Research-documented yield increases • Enhances plant health
WEX® Nonionic wetting agent	A multipurpose, liquid wetting agent for use in pre-emerge application programs. Also provides excellent protection against spray tank foaming and soil amendment characteristics.	<ul style="list-style-type: none"> • Increases root growth • Optimizes effectiveness of pre-emerge pesticide applications • Keeps spraying equipment cleaner • Research-documented yield increases
FEAST® SIDE-KICK Potassium thiosulfate solution	0-0-25 w17S Chloride-free formula. Soil or foliar applications.	<ul style="list-style-type: none"> • Works to enhance plant health and resistance • Safe for use in pop-up fertilizer applications • Highly recoverable forms of potassium and sulfur • Excellent source of sulfur
FEAST® MICRO MASTER Secondary and Micronutrients	<ul style="list-style-type: none"> • Liquid forms • 100% chelated or complexed • Seven nutrients available: boron, calcium, copper, iron, magnesium, manganese, and zinc 	<ul style="list-style-type: none"> • Satisfy secondary and micronutrient requirements for optimized yield and quality • Limiting factors removed for optimal yield and quality • May be added to existing soil and/or foliar programs • Backed by significant independent research
FEAST® Starter and Foliar Fertilizers offering a more efficient way to provide plant food	Clear liquid, true solution. 3-18-18 9-18-9 8-16-11 w2S 2-15-19 w3S 8-24-0 26-0-0 w0.5B	<ul style="list-style-type: none"> • Hardier plant, larger roots • Drier grain (1-3% observed) • Greener, wider leaf • Earlier maturing crops • Yield increase • Better quality feed and forage with higher RFV • Research-documented yield increases
MAGNIFY® LST Live microbial liquid soybean seed inoculant with extension solution	Seed treatment application.	<ul style="list-style-type: none"> • Highest potency available • Research-documented yield increases • Remains viable up to 28 days after being applied to the seed for greater planting flexibility

Conklin recommends the use of soil and/or plant tissue testing to accurately determine exact fertility recommendations.

New to the Conklin AgroVantage® System?

These products will help you get started building your world-class crop management system.

Conklin's AgroVantage System offers farmers across America products that can be easily incorporated into their operations. Whether growers are utilizing a few products in the AgroVantage System or the entire crop management program, Conklin's products offer an excellent return on investment due to increased yields, while controlling input costs as a result of utilizing high-quality raw materials.

Are you ready to put the AgroVantage System to work in your operation? The following products are a great way to begin to see the benefits and profits thousands of farmers have already experienced.

- **Wex® Multipurpose Wetting Agent with NRA®** — When used in burndown applications and/or pre-plant/pre-emerge pesticide applications, Wex helps maximize pesticide performance along with stimulating root development, improving water penetration and nutrient absorption without adding another pass over the field. *[Find this product on p. 17]*
- **Amplify® Seed Treatment** — Fast, even emergence is the goal in every field. Amplify-D® dry seed emergence aid with micronutrients and Amplify-L® liquid dispersible seed emergence aid provides additional energy to get your crops off to a fast start. Both planter box treatment and seed treater versions are available. *[Find this product on p. 8]*
- **Guardian® Nitrogen Fertilizer Additive** — A softer technology as compared to other inhibitor products on the market, Guardian helps maintain a healthier soil microbial activity level, while holding the nitrogen in the root zone and maintaining plant availability. Used with liquid nitrogen, urea, and liquid manure applications, Guardian allows for up to 20% reduction in nitrogen. *[Find this product on p. 6]*
- **Feast® Chelated Manganese** — This 100% EDTA-chelated product allows you to apply 1 pint per acre with your glyphosate applications to reduce yield reduction associated with yellow flash induced by glyphosate application. Feast Manganese has been showing a typical yield increase of 4-6 BPA. *[Find this product on p. 12]*
- **Kip Cullers' Nutrient Compass Foliar Fertilizer®** — This foliar fertilizer and micronutrient combination stimulates your plants to take up more nutrients. It can be applied with foliar fertilizers or most pesticides so additional passes over the field are not needed. This product provides 3-6 BPA yield increase. *[Find this product on p. 15]*





CONKLIN® VEHICLE PRODUCTS

Expect Better Performance and Longevity from Your Equipment and Vehicles

Conklin has been helping farmers maintain and protect their equipment for more than 45 years. We want to help protect the investment you have in your equipment, lower maintenance costs, and improve fuel economy and performance, which affects the bottom line and profits of your operation.

The Vehicle Products Division offers:

- **Gasoline and diesel fuel conditioners and fuel system cleaners** that regain, retain, and improve performance and fuel efficiency.
- **Convoy® premium parasynthetic motor oil** that improves fuel mileage, extends oil change intervals, and ensures top engine protection.
- A full line of **oils, greases, lubricants, cleaners, conditioners, and treatments.**

“We run Convoy oil in all our farm equipment and commercial trucks. With conventional oil, we were changing oil twice a year. Using Convoy extends our oil changes to only once a year, which allows us to see a savings of 25% on the cost of oil as well as labor costs. When you add cost savings, lower overall maintenance cost and increased mileage, Convoy pays for itself in our operation.” – Jay M.

Conklin Vehicle Products have been out-performing other leading brands and lowering maintenance costs for farmers across the country. See how they can work for you and your operation by visiting www.ConklinVehicleProducts.com

CONKLIN® FASTRACK®

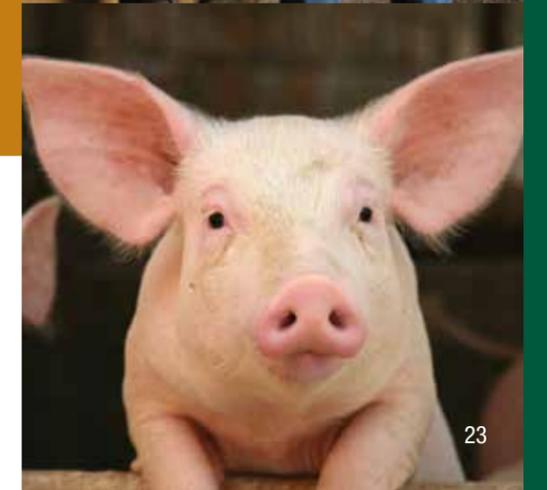
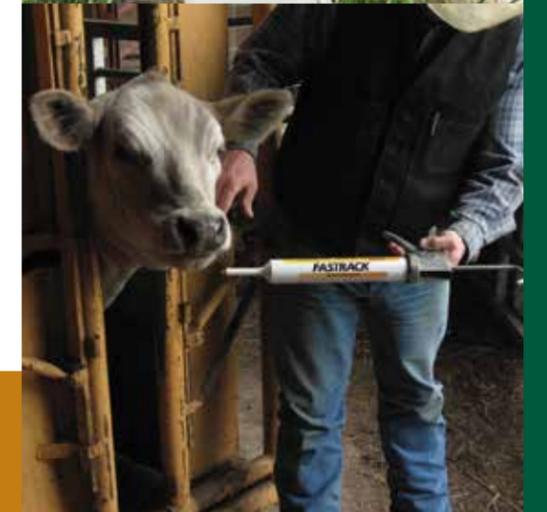
Get the Digestive Support Your Animals Need for Better Health and Production

Conklin provides a world-class crop management system for farmers, but did you know we also help producers go a step further with their livestock operation? For over three decades, Conklin’s Fastrack line of products has helped animals maintain healthy digestion, aid during periods of stress, and support their immune system!

Whether you’re raising livestock, dairy, horses, poultry, swine, or have a family pet, check out our progressive array of gels, boluses, microbial packs, and supplements. Help keep your animals healthy with Fastrack Animal Products so they can reach their full genetic potential.

“A ‘magic potion’ is introduced every year, but we stick with the supplement that works! Over 20 years ago, I introduced Fastrack into our feeding program. This has supported digestion and appetite in our cattle. Whatever their age, they are better equipped to take everyday stresses as well as the stress associated with the show ring.” – Barry N.

Visit www.ConklinAnimalProducts.com to get your animals on the “Fastrack” to a more productive life.





CONKLIN[®] AgroVantage[®] SYSTEM

Conklin is honored to partner with Kip Cullers and bring his expertise to the U.S. market and American farmer with Kip Cullers' Nutrient Compass Foliar Fertilizer[®]. As farmers ourselves, we understand the value of products that perform and have a positive impact on agriculture. Kip's product has been used by over 500 growers throughout the United States to increase yields and profits. We look forward to helping to maintain the American farm for generations to come.

For further information on the Kip Cullers' Nutrient Compass Foliar Fertilizer, see pages 14-15.

"With today's grain prices, I've chosen to use Conklin's AgroVantage System to maximize yields. When are you going to start?"

Kip Cullers, World-record Soybean Producer
and National NCGA Winner, Missouri



Your Conklin Independent Distributor: