

# KQ Fertility Facts

Grower Edition  
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## KQ 353 .....

## INSIST ON THE BEST

By the time you read this, your corn should be planted and the 2000 growing season well under way. Possibly in planning your nitrogen needs for this year's crop you already considered Kugler KQ 353 in a split application. If per chance you did opt for straight nitrogen in an attempt to trim input costs, please reconsider the "SYNERGISM" of adding potash, sulfur and zinc at a critical stage of development. By maximizing your yield, any potential cost savings will be multiplied several times over. Kugler's KQ 353 consistently outperforms straight nitrogen therefore improving your bottom line.

**Potassium** is essential in building stalk strength. It helps the plant to utilize the nitrogen more efficiently throughout the plant and helps eliminate the nitrogen buildup within the stalk that leads to stalk rot. It also plays an important role in helping the plant resist different types of diseases. Potassium is also a key player in the final development stages of grain formation and test weight.

**Sulfur** plays a vital role within the "synergism". It increases the efficiency of the nitrogen within the plant, as the nitrogen uptake within the plant is greatly enhanced. Sulfur also reacts with nitrogen assuring the proper formation of proteins

within the plant.

**Zinc** is important in the production of "good quality grain" along with regulating water intake and metabolic reactions. It is essential for protein synthesis, promotes maturity, forms starch and aids in root development.

Even though there is no phosphorus in **KQ 353**, due to the synergistic effects of the other nutrients, it helps increase uptake of phosphorus already in the soil. The results are higher yields and more profit from your inputs.

As with any nitrogen usage, split applications are the most effective and economical. When using **KQ353** in split applications, industry studies have shown a bushel of corn can be raised on .8 to 1 lb of nitrogen. On a 200-bushel yield, this translates to 160-200 lbs of nitrogen. By split applying **KQ 353** you are providing your crops with the essential nitrogen when the plants can utilize the nitrogen to maximum efficiency, along with potassium, sulfur and zinc.

The Kugler Company continues to be innovative in developing the right fertilizer to meet the needs of your crops. Don't be fooled by the "copycat" or "almost alike" products of our competitors. Remember we are a local and family owned

company. Along with our Authorized Dealers, we are your neighbors and friends. Your success is our success! Insist on the best source of nitrogen along with potassium, sulfur and zinc for your crops this growing season. Insist on the original **KQ 353**. Please visit your nearest Authorized KQ Dealer or your KQ Grower Rep and see how the "**SYNERGISTIC POWER**" can be put to work in your fields and allow your crops to produce yields this year that are the Best.

**ZINC**

Other  
\$3.00

Kugler  
\$30.00

**There is a  
Difference!!!**

Call us toll free at 1-800-445-9116—or visit [kuglercompany-dot-com](http://kuglercompany-dot-com)

# FOOD FOR THOUGHT.....

With spring planting now underway across the area, your individual crop and field plans are now coming into play. Once the most important trip over the field in complete, planting, your focus changes to the management of that particular crop in that particular field.

The argument that split applications take more time is less valid with the equipment and technology available today. Most growers can handily accomplish two to three ap-

plications. Nitrogen can be split applied at preplant, at planting, with herbicides, with cultivation at layby, and through irrigation water. Research results continue to support the use of split applications of nitrogen for increased efficiency, higher yields, less risk of N loss and reduced ground water contamination.

## Taking Control

There's plenty in agriculture trying to control you. So you've got to take control of the things you can in order to succeed. Like the quality of your fertility program. It's 100% under your control.

With Kugler KQ fertilizers, your fertility program can actually help your hybrids and varieties live up to their promise. It's like providing a finely-tuned diet for a world class athlete. And whether you're topdressing wheat, using a start at plating time, or applying Kugler KQ fertilizers through your pivots—one thing is sure. You can count

on the quality of Kugler KQ fertilizers. Because, like you, we've taken control of what we can control—the quality of nutrients, the details of fertilizer manufacturing, the development of innovative fertilizer products.

So see your authorized Kugler KQ dealer. Or call us free of charge at 1-800-445-9116—visit kuglercompany.com. We'll tell you a little about what we do, how we do it. And how Kugler KQ fertilizers can help you gain a little more control over what happens on your farm.

## Synergism - What Is It?



**Synergism** is the combined action of two or more nutrients that results in an effect greater than that of which each is capable individually.

### **KQ353 Synergism Increases Nutrient Uptake**

NUTRIENT	32-0-0 100 lb/ acre	KQ 353 100 lb/ acre	% Increase
Nitrogen %	2.17	2.50	15.2
Phosphorus %	0.30	0.35	16.6
Potassium %	1.83	2.09	14.2
Sulfur %	0.15	0.18	20.0

(Applied at tasseling time. Results obtained from a leaf tissue sample.)

The above table shows the results of a comparison of 100 pounds per acre of 32-0-0 versus 100 pounds per acre of KQ353 (26-0-3-5-3 Zn). Note the increase of all nutrients where KQ353 was used. Even though six pounds per acre less of nitrogen was applied with KQ353, the nitrogen level increased by 15.2%. KQ353 also increased the P<sub>2</sub>O<sub>5</sub> level by 16.6%, even though no phosphate was applied. Levels of potassium, sulfur and zinc also increased.

This is an example of synergism at work. ☺

### **Bulk Rate**

Postage and Fees

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