

# KQ Fertility Facts

Starter Edition  
April 2000

## *Two Specialty Starter Grades Improve Efficiency and Effectiveness*

Farming is all about soil, water and nature. So there's something that can be lost when a company that makes ag products is headquartered in a big city of concrete, steel and high-rise offices. That's why Kugler has remained a small-town company—making our home right here in the heartland along with the producers we work with.

Kugler offers a number of starter grades, beginning with our original Kugler KQ555. Here's a closer look at two special starter grades from Kugler that are helping continue our reputation of innovation in fertility:

### **KUGLER KQ652**

#### **HIGH PHOSPHORUS STARTER**

This high-phosphorus starter allows you to apply more fertilizer without increasing gallons. That means fewer fill-ups and less on-farm storage. That adds up to greater efficiency and labor savings—without sacrificing the phosphorus levels your crop needs.

Phosphorus is especially important at planting time. It helps the root system develop more quickly, so the plant can more readily take up

moisture and nutrients. Your plants establish themselves more quickly so they can compete with weeds and insects.

### **KUGLER KQ663**

#### **HIGH NITROGEN STARTER**

This quality Kugler grade includes nitrogen and phosphate in a 1:1 ratio—giving your crop an advantage starting with the day you plant. Add sulfur, potassium and zinc, and you have a liquid grade that can give your crops an early edge.

This higher nitrogen level promotes early plant growth which can lead to greater stress tolerance and earlier maturity. Like all Kugler KQ fertilizers, Kugler KQ663 is formulated for ease of application. You don't have to put up with plugged screens and plugged-up orifices. Kugler KQ663's "flowability" keeps you on the tractor applying fertilizer instead of cleaning equipment.

Kugler KQ663 is clearly superior to straight nitrogen thanks to the interaction of its five nutrients.

straight nitrogen thanks to the interaction of its five nutrients. Working together with the Power of Synergism, these nutrients improve the effectiveness and efficiency of your starter program.

When it comes time to plan your fertility program, see your authorized Kugler KQ dealer. They work hard to understand how to match Kugler KQ fertility products to perform best on your farm. Or call us toll free at 1-800-445-9116—or visit [kuglercompany-dot-com](http://kuglercompany-dot-com).



## *The five nutrients that make KUGLER KQ652 superior.*

**Nitrogen: The Superstar-** Nitrogen is a basic building block of the plant.. It controls the uptake of all other nutrients and is essential for carbohydrate and protein production. Different hybrids use nitrogen in different amounts at different stages of growth. This fact, combined with

the concern of increased nitrate levels in ground water, makes a strong argument for split applications of smaller amounts of fertilizer—a program that perfectly fits Kugler KQ fertilizers.

**Phosphorus: The Energizer—** Phosphorus in Kugler KQ fertilizers is

in the form of high quality polyphosphate. Phosphorus is used to form sugars and starches in the plant. It is critical to rapid seedling, root and shoot growth and is necessary for energy storage and transfer. Phosphorus helps build

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## KQ652 nutrients, cont'd

disease resistance and helps overcome the effects of soil compaction.

### **Potassium: The Regulator—**

Potassium helps keep water and food moving throughout the plant. It is involved in more than 60 enzyme systems, regulates the opening and closing of plant spores, and is required in every major step in building protein. It interacts with almost all other essential plant nutrients. It aids in

and regulates nitrogen uptake.

Potassium improves physical quality and disease resistance. Fiber quality is improved including strength, length and uniformity.

**Sulfur: The Synthesizer—**Every Kugler KQ fertilizer contains ammonium thiosulfate (ATS)—an economical, effective nitrogen stabilizer which has been shown to help reduce nitrogen loss due to leaching, denitrification and volatilization resulting in more nitrogen available to your plants and the

balance of soil nutrients enhanced.

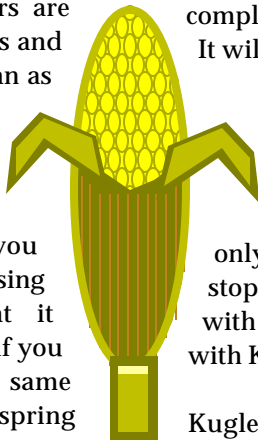
**Zinc: The Activator—**Kugler KQ fertilizers incorporate zinc in the form of Kugler liquid zinc—a water soluble product that improves plant uptake and reduces the presence of heavy metals. Zinc is important in grain formation. It also helps the plant absorb water which carries all nutrients throughout the plant. Like all other micronutrients, zinc is especially critical during early plant growth.

# FOOD FOR THOUGHT.....

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Quality starts at our production plants, but by no means should it stop there. Our KQ Dealers are aware that their storage tanks and nurse units need to be as clean as possible to carry the quality of KQ products to your fields.

Again it can't stop there; you must make sure if you are using your own equipment that it needs to be clean, especially if you have used some of the same equipment to plant your spring crops.



It doesn't take a lot of time to flush your system when you complete a fertilizer operation.

It will pay you dividends.

Your equipment will last longer and instead of cleaning filters you will be planting. The

only time you should need to stop is to fill your planter with seed and your tanks with KQ fertilizers.

Kugler promises to continue providing high quality

fertilizers, and to keep our dealers on the leading edge of fertilizer technology.

For Kugler, quality is more than a word; it's a commitment.

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