

PILOT GROVE COOPERATIVE ELEVATOR, INC.
MAY 2015 NEWSLETTER

It won't be long and all the corn will be planted. Some soybeans are starting to be planted; although, the window for soybean planting extends through July. Cutworms have been found in southern Missouri, but we haven't noticed any locally. Hopefully, the cool weather is over, which makes it comfortable for the cutworm. Scout your fields for cutting.

WHEAT FUNGICIDE SPRAYING The flag leaf is out, and the timing is right to apply fungicide on your wheat acres. Aproach Prima, at a six (6) ounce rate will do the job. Diseases controlled or suppressed are: leaf and glume blotch, powdery mildew, tan spot, black point, rust, spot blotch, and scab. Give the Cooperative a call today to schedule your wheat acres for aerial application.

PAN 32-0-0 LOW SALT/SLOW RELEASE LIQUID FERTILIZER (NEW NANO TECHNOLOGY)

This new form of liquid 32-0-0 was designed to reduce the nutrient pollution footprint that recent EPA regulations are developing in order to control excess nitrogen runoff into our watersheds and to the Gulf of Mexico. The traditional 32-0-0 fertilizer that was available up until this new chemistry carried as much as 59% salt per gallon of product. That translates to 2.09 pounds of salt per gallon of fertilizer leaving only 1.45 pounds of actual plant available nitrogen.

PAN 32-0-0 proprietary chemistry has precipitated out all but 2% of the salt from the UAN fertilizer leaving less than 0.14 pounds of salt and 6.68 pounds of plant available nitrogen per gallon. That is nearly five (5) times more plant available nitrogen per gallon of fertilizer. This highly concentrated form of nitrogen is excellent for foliar feeding of any nitrogen dependent crop system once diluted. Photographic examples of side by side university test plots clearly indicate that the application of PAN 32 at rates of 5 and 10 gallons of product in a foliar application at V-5 and V-8 corn leaf stages had no burn effect at a 1 to 1 dilution rate. Five gallons of PAN 32 at 6.68 pounds of plant available nitrogen per gallon equates to 33.4 actual units of nitrogen per gallon, while ten (10) gallons is equivalent to 68.8 units of plant available N. Other benefits include the ability of a wider window of application, greater storage options as it will not freeze, does not adversely affect microbial organism colonies in the soil web, less material to handle, a concentrated product that can be diluted at least 4.5 times and still carry more plant available N than standard UAN, a strong Nano sized trace element package included per gallon of PAN, targeted time of N application to when the plant is determining ear size and pod numbers. The list goes on. Always perform a jar test before mixing any chemicals for field application.

CHEMXCEL HERBICIDE ADJUVANT (NEW NANO TECHONOLGY)

Herbicide resistance in weeds is a rapidly growing concern to all of our farm friends. Pilot Grove Coop, as part of the new Nano technology, now has available a herbicide adjuvant that will allow your herbicide of choice to overcome the resistance weeds have developed to herbicides. ChemXcel can be added to any of your herbicides to include glyphosate or 24D at a rate of 12.8 ounces per gallon of non-diluted herbicide. This newly developed adjuvant is comprised of carbon nano-tubes that act as a literal sponge, soaking up the herbicide and like a syringe, delivers it past the weed's defense directly into the vascular system of the plant, shutting down both the weed's nutrient absorption from the leaf as well as the root.

This product has been tested on palmar amaranth, giant ragweed, marehail, waterhemp, and many other herbicide resistant weeds with considerable success. The penetration rate of your herbicides into the weed with the ChemXcel adjuvant is 90% plus. ChemXcel can be used in either pre or post emergence formulas. Just add the ChemXcel to the non-diluted herbicide, then add your water dilution and follow the directions on the container of your herbicide. This is a very affordable adjuvant to any of your water soluble herbicides, especially if you are wanting to control problematic infestations of resistant weeds. Always perform a jar test before mixing any chemicals for field application.

GROWXCEL FOR LIQUID FERTILIZER (NEW NANO TECHNOLOGY)

This too is a nano enhanced nano-driven adjuvant. Capture the full value of your liquid fertilizer within the technology of GrowXcel's "molecular sponge" and get it to where it counts, through the leaf to the root system. GrowXcel has active ingredients as boron, water soluble copper, chelated iron, chelated manganese, molybdenum, water soluble zinc, amino acid complex, humic acid, available brown sugar, and more.

All of the trace elements within GrowXcel are of nano size which allows them to be far more readily available to the growing plant. Apply between 6 to 16 ounces depending on your soil analysis. Again, GrowXcel plus your fertilizer pre-mix then add water. Use as a foliar application during the time when the plant is determining its energy requirement for pod set or ear size. This adjuvant is excellent for any forage or row crop enterprise. Application can be made with most pesticides, fungicides, or herbicides as well as liquid fertilizers. Always perform a jar test before mixing any chemicals for field application.

If you have any questions about any of these new nano technology products, give Pat a call today at (660) 834-5412, or (660) 888-1029. These new products are the cutting edge to the newest technology available for crop production.

FEED NEWS Up until recently, Kent Exact Beef (limiter for feed rations) has always been in the meal form, for mixing with ground corn. Now, Kent Feeds is introducing Kent Exact Beef in a pelleted form, to be mixed with crimped corn. Pelleted type feed are always superior to meal type, in that no individual feed ingredient gets sifted out during the mixing process. Kent's research shows that the new pelletized Exact Beef has the same results and benefits as the meal, easier to handle, and because it is a pellet, feed is saved and doesn't pile up and get crusted in the bottom of the feeders. Hopefully, by the end of the summer, all Exact beef customers will be using the pelletized form. Currently, some cattle that are being fed the meal form will be fed that form of exact beef until they are finished.

Fly season is here. The Cooperative has fly control minerals, dust bags, sprays, pour-on, fly blocks, and fly tags to help you combat the dreaded fly season.

SEED NEWS Give Ryan or Larry a call for any seed needs. Seed treating is also a service that they can help you with. Ryan (660) 621-2537, or Larry (660) 621-1663 The Pilot Grove Cooperative still has a good supply of Liberty Link seed available, as well as regular roundup ready.

May 10th, HAPPY MOTHER'S DAY TO ALL MOMS!