

Foliar fertilizer is supplementary aid



Foliar applications of zinc products like NZN have shown the greatest potential for improving crop yield and quality.

MORRISTOWN, N.J. — The need to squeeze more bushels from fewer acres this season has fueled grower interest in foliar fertilization—particularly as it relates to micronutrients.

Foliar micronutrients prevent and correct deficiencies before crops suffer significant losses in yield or crop quality. They are also effective when applied before grain or fruit set because crops often need more nutrients than can be supplied by the soil.

Not all crops will benefit from foliar fertilization. According to Don Johnson, an agronomist for Allied Corporation who has been closely involved with the technique's development, crops must first show good yield potential. Otherwise results could be disappointing.

Misunderstood Concept

"It must be understood that foliar fertilizers are intended to supplement—not replace—a well-balanced soil fertility program," Johnson says. "They're designed to make good crops better. You can't expect miracles from a foliar fertilizer if the crop wasn't adequately fertilized from the start.

"This misunderstanding, plus improper application technique or timing, is why some farmers, dealers and researchers have had inconsistent results with these products," he adds.

Foliar applications of zinc have shown the greatest potential for improving yield and quality of most field crops, Johnson says. Zinc plays an important role in cell growth, which among other things enhances development of new leaves, flower buds, roots and grain or fruit. A steady supply of this nutrient is needed for crops to reach their full yield potential.

"Regardless of field history, soil-test results or how much zinc you may have applied before planting, crops frequently run short of this vital nutrient near grain or fruit set," Johnson claims. "A zinc deficiency, even for the shortest time, could significantly undercut your yield potential."

Tissue Testing

The trend toward early-season tissue testing should also generate interest in foliar fertilization. A complete plant analysis can spot nutrient deficiencies before they have a chance to reduce crop yield or quality.

"Foliar fertilizers let you correct the problem right away, before the crop shows signs of stress," Johnson says. "You don't necessarily have to wait until next year to make adjustments in your fertilizer program."

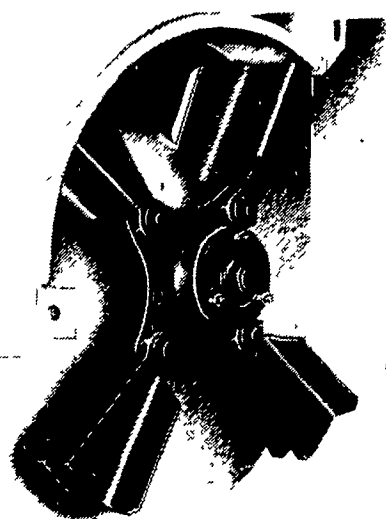
Foliar fertilizers can also be used to rescue crops under stress from inclement weather or crop pests. Once again, Johnson says, a prerequisite is sound soil fertility. "The foliar fertilizer will nurse the crop along until it can function on its own and absorb nutrients from the soil," he explains.

Because foliar fertilizers are applied directly to plants, they go to work almost immediately without getting tied up in the soil. Visual responses are usually evident within a day or two of application.

Farmers should be aware of the different types of fertilizers available for foliar application. All are effective, but some work better or can be applied more efficiently than others.

Some materials used today are actually soil fertilizers adapted to foliar use. Others such as NZN (15-0-0-5Zn), NMG (14-0-0-4Mg)

(Turn to Page E7)



STAINLESS STEEL GOBBLER

P & D Mfg. Inc. is pleased to announce its new "Stainless Steel Gobbler" Blower Housing. You're already aware of the superiority and durability of stainless steel. Now, P & D Mfg. has combined this with its hard working Golden Gobbler Blower Assembly. You retain all of the features of the Golden Gobbler plus the advantages of stainless steel in the new "Stainless Steel Gobbler."

- 23" Diameter Blower Assembly
- Swing Paddles
- Split Housing for ease of maintenance
- Heavy Greaseable Industrial Bearings
- Resistant to acids and corrosion
- Smoother Blowing
- Durability and Toughness of Stainless Steel

Now, hold on to your hat! For the months of April, May, and June, this Stainless Steel Blower Housing is yours for No Additional Charge with the purchase of a Surface or Ring Drive Unloader. That's right — this great option is yours at

no additional charge.

CONTACT YOUR NEAREST P & D DEALER TODAY.



REGIONAL SALES MGR.

TERRY JENKINS
502-877-2468

MARYLAND

BEN HAINES CO.
Rising Sun, MD
301-658-5359

PENNSYLVANIA

HOWARD HARKLEROAD
Westover, PA
814-743-6340

KEPPLE BROS.
New Alexandria, PA
412-668-7438

RIBSTONE SILO OF PA
Troy, PA
717-297-2108

HOHN SILO CO.
Montrose, PA
717-278-1239

NEGLEY-MILLER SILO CO.
Shermansdale, PA
717-582-4108

TERRE HILL SILO CO.
Terre Hill, PA
215-445-6736

Livestock buildings for all seasons!

• Dairy • Beef • Hog

NATURALLY VENTILATED

When your livestock operation is in need of a new shelter... think Morton Buildings! Our naturally ventilated livestock buildings help reduce stress on your animals in all types of weather.

COMFORTABLE ANIMALS

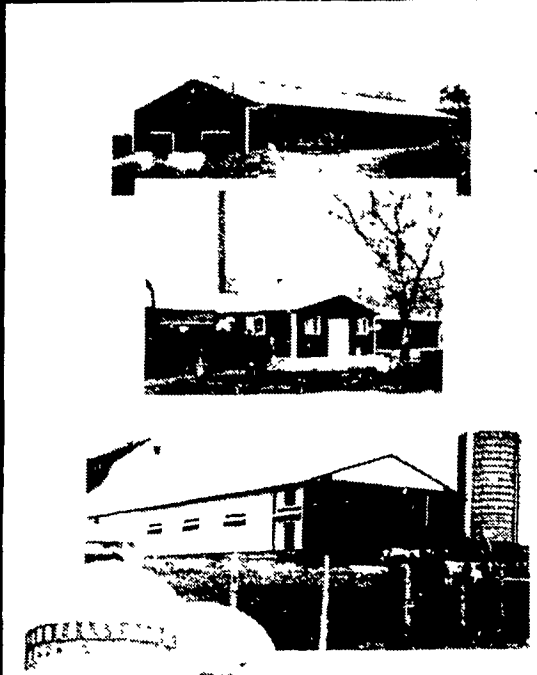

Morton Buildings livestock shelters help cool the animals in the heat of summer, help cut the chill in winter and shed the cold rains of spring and fall.

Comfortable animals mean more profit for you — the building owner.

TRAINED SALESMEN

Your Morton Buildings salesman is trained to help you design the most efficient livestock building for your operation. We will be proud to guide you on a tour of livestock buildings in your area... you can see firsthand how effectively Morton Buildings can build to your needs. Call or write today for complete details!


Year-round construction!

Call or write today for more reasons why you should own a Morton Building. LF


- Send more information on MORTON BUILDINGS
- Have your salesman phone for an appointment
- Horse Barns
- Dairy Barns
- Livestock Shelters
- Riding Arenas
- Commercial & Industrial
- Machine Storage
- Garages & Shops
- Airplane Hangars

Name _____
Address _____
Phone No. _____



FREE WEATHER VANE with every building purchased.

For information, call 24 hr toll free 800/447 7436



MORTON BUILDINGS
80 Yrs. of Service to the American Farmer

1185 York Rd. Gettysburg, PA 17325	Ph. 717/334-2168
RD #10, Box 76 Meadville, PA 16335	Ph. 814/336-5083
State College, Box 361 Centre Hall, PA 16828	Ph. 814/364-9500
Box 126 Phillipsburg, NJ 08865	Ph. 201/454-7900
1918 Industrial Drive Culpeper, VA 22701	Ph. 703/825-3633