

## Recommendations for using Bio-Gard's *Calcium-25*® Products: Aerial Application

*Calcium-25* has been used with success with aerial application. However, there are certain conditions which the applicator should be aware of:

1. *Calcium-25* MUST always be diluted to the correct concentration with water *only*. Make sure the product is completely dissolved at the concentration in the instructions in a clean tank (rinsing well with water is sufficient). Use as soon as possible after dilution.
2. If another product is being used, such as a pesticide or other foliar product, this should be done a day or so AFTER applying *Calcium-25*. Products, such as herbicides may be ineffective if applied at the same time at *Calcium-25*.
3. The product must be applied at an air temperature indicated in the instructions! If sprayed at the incorrect temperature, it won't be absorbed quickly enough to have the full crop yield-enhancing effect.
4. Since *Calcium-25* is a *concentration-dependent* product, it needs to hit the leaves as close to the nozzles as possible. Evaporation on the way down causes an increase in concentration which may make the product ineffective, especially in the case of field corn.
5. Application rate should be adjusted so that leaves of the plants hold droplets for about 10 minutes. For corn, it is only necessary to get a drop or so down the whorl of the plant.
6. Remember that timing to get the right conditions is more difficult with aerial application. Once this has been fairly optimized, it may just come down to the time of day of application. Usually late in the day or evenings are best. Fine sprays are not necessary for most crops (except, for example, wheat). Larger drops remain on leaves longer. Do NOT use surfactants with this product.