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## Guidelines for Grapes & Muscadines

**Fall Soil Treatment:** Apply *Soil Solution* @ 32 Oz/acre broadcast or through the drip annually.  
*Purpose is to enhance and improve bacterial activity in soil adjacent to root system.*

### New Vineyard

**Transplanted Seedlings:** Apply *Percplus* @ 16 Oz/acre or equivalent in transplant (setter) water.  
*Designed to improve rooting and early development while reducing crop tolerance to environmental stress after transplant.*

**2 to 3 Weeks after Transplant:** Foliar apply *CropKarb* @ 24 Oz/acre in enough water volume for ample coverage. This application may be repeated on 5 to 7 day intervals as necessary due to excessive environmental stress. (CropKarb application replaces *Percplus* @ 12 Oz/acre and *Nutri K* @ 10 Oz/acre).

**Micronutrients:** Apply *MicroVite* @ 16 Oz/acre tank-mixed with the *CropKarb* weekly as needed.  
*Designed to reduce the Lag Phase after transplant and enhance production of healthy foliage.*

### Established Vineyard

**Spring Foliar:** After initial green up, begin foliar applications on a weekly schedule with *Percplus* @ 12 to 16 Oz/acre. *Beneficial in shoot growth and enhancing vine development.*

**Pre-bloom or Initial Bloom:** Make foliar applications every two weeks with *Percplus* @ 12 Oz/acre and *Boron Plus* @ 2 Oz/acre for a minimum of two applications.  
*Designed to reduce bloom shed and avoid excessive nitrogen levels while maintaining crop development.*

**At Initial Fruit Sizing:** Apply this combination foliar every two weeks for at least two applications.  
*CropKarb* @ 16 Oz/acre (replaces tank-mix of *Percplus* @ 8 Oz/acre, *Nutri K* @ 16 Oz/acre, *Boron Plus* @ 2 Oz/acre).  
*Calcium Plus* @ 16 Oz/acre.  
*Magnesium Plus* @ 16 Oz/acre.

*This application is the most critical for final yield and is designed to enhance sizing and quality of fruit.*

**Initial Ripening:** Apply *Percplus* @ 8 Oz/acre and *Copper Plus* @ 2 Oz/acre weekly for a minimum of two final applications.  
*Designed to enhance color and final sugar content at maturity.*

**Important Mixing Instructions:** Add 50% of the total water volume to the tank **BEFORE** the addition of any products. **Mixing Order:** *CropKarb* or *Nutri K*, *Percplus*, *Magnesium Plus*, *Boron Plus*, *Copper Plus!* Next, add fungicides and/or insecticides. Follow with *Calcium Plus*. **NOTE:** Always add *Calcium Plus* to the tank mix next to last and finish with spreader-sticker, if desired, to avoid unforeseen problems.

**NOTE:** *CropKarb* may be replaced with *Nutri K* @ 32 Oz, *Percplus* @ 8 to 16 Oz, and *Boron Plus* @ 4 Oz  
*Plant Power* may be substituted for *Percplus* in any application and at the same rate.

**Mixing:** Always dilute *Nutri K* in water first, and follow with other ingredients in listed order to avoid excessive foaming.

These **DeltAg Guidelines** have been utilized to enhance overall crop performance and are not intended to be utilized as a replacement for basic and customary fertilizer applications. **“Other Crop Specific Guidelines are available upon request.”**