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Guidelines for Cotton

Preplant Soil Application: Apply *Soil Solution* @ 24 Oz/acre. This application should be made in the Fall and incorporated, or up to planting in the spring. For No-till or over a growing crop, increase rate to 32 Oz/acre.

Designed to enhance digestion of crop residue and increase microbial activity.

Hopper Box Seed Treatment: Utilize where enhanced emergence and survival are desired. Apply *Seed Coat* @ 2 Oz (dry weight) per planted acre of seed.

Designed to stimulate micro-flora in the rhizosphere immediately adjacent to seed, and enhance seedling root development and stand establishment.

In-Furrow: *Percplus* @ 8 Oz/acre.

Designed to enhance root development, early growth, and build crop tolerance to seedling stress.

When Soil pH is lower than desired: Add *Calcium Plus*** @ 16 Oz/acre in-furrow.

***Designed to temporarily acidify soil profile around root zone and improve crop response to nitrogen in acid conditions.*

Side-Dress: *Boron Plus* may be applied @ 16 to 20 Oz/acre side-dressed when supplemental boron is desired. *Percplus* may be added as an alternative to in-furrow @ 16 Oz/acre. *Nutri K* @ 32 Oz/acre has been shown to be beneficial when K levels are a concern.

Seedling Foliar: Make two broadcast applications of *Percplus* @ 16 to 24 Oz/acre, beginning at two to three true-leaf. *MicroVite* @ 32 Oz/acre may be added if micro-nutrients are an issue. These applications may be applied in a tank mix with most herbicides (ex: glyphosate).

Designed to enhance crop vigor, root development, and tolerance to stress.

Sixth to Tenth Node: Apply *Boron Plus* @ 4 Oz/acre with insecticide or PGR on a 14 to 21 day schedule in two to three applications. For optimum results, make applications at 6th node, match-head square and first bloom. The **Heavy Boll Set** *CropKarb* applications below will include additional boron needs at 4th and 6th or 5th and 7th week of bloom, or additional *Boron Plus* @ 4 Oz/acre should be applied then as well.

Designed to maintain crop in a fruiting mode and to direct Nitrate Nitrogen to fruit.

Heavy Boll Set: Two applications on 10-14 day intervals of *CropKarb* @ 32 Oz/acre each. (May be applied with most insecticides). Optimum results are when applied in two applications at 4th and 6th or 5th and 7th week of bloom.

Designed to enhance boll set and sizing toward maturity.

NOTE: Many years of tissue testing have indicated the need for potassium at this stage of development. About 40% of samples have called for Boron at this same stage. *CropKarb* contains ample potassium as well as boron to aid translocation of the K and to direct Nitrate to the fruit.

NOTE: *CropKarb* may be replaced with a tank-mix of *Nutri K* @ 32 Oz, *Percplus* @ 8 to 16 Oz, and *Boron Plus* @ 4 Oz. *Plant Power* may be substituted for *Percplus* and vice-versa 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.”**