

AGGRAND[®]

Natural Organic Products

Lawn • Garden • Agriculture

TOBACCO

Tobacco responds to AGGRAND applications in the greenhouse, at transplanting, and at lay-by. Nitrogen (N) is a critical nutrient in tobacco production. Too much N late in the season causes suckering which produces tobacco of unequal quality. Too little N causes reductions in yield. N levels need to be adjusted to control yield and crop quality.

Foliar Applications:

- 1.) Apply AGGRAND 4-3-3 Natural Fertilizer to tobacco as a foliar spray to starts in the greenhouse when the tobacco reaches 3-5" in height with a 2% solution (2.5 oz fertilizer/gal of water). Apply enough fertilizer tea to wet the foliage. Better results may be obtained by repeating the application in 10 days while in the greenhouse, use a 1% solution (1.25 oz fertilizer/gal of water) when splitting the application into two treatments. Plants need to be set out in the field before they become rootbound.
- 2.) If the crop appears to be chlorotic by the time of lay-by (2 ft. tall), it may be beneficial to apply a field application at the same rate onto the foliage. The field application may not be beneficial on some tobacco when it is harvested all at once because some suckering can occur, but on tobacco which is picked selectively the additional suckering may not be problematic. Apply 1-3 gals./acre of AGGRAND 4-3-3 in 25-75 gals. of water as a fine mist with enough solution to thoroughly cover leaves (increase spray volume as crop develops to ensure thorough coverage).

Rates vary according to soil fertility and other inputs used. Lower dilution rates are more effective than higher dilution rates. Two or three lighter applications can be more effective than one heavy application. If other constraints only allow one trip over the field, then do not exceed 4% a dilution rate (4 gals. of AGGRAND to 100 gals. of water).

The addition of a biodegradable surfactant increases uptake by increasing adhesion to the leaf surface. Apply AGGRAND in early morning or late evening. Do not apply before or after rainfall or irrigation. On Standard field sprayers use turbo flood jet nozzles when applying AGGRAND to reduce clogging.

To reduce susceptibility to attack of insect and disease causing organisms apply 1 gal. of AGGRAND 4-3-3/acre when signs of infestation begin to become apparent. Substitute 2 qts. of

AGGRAND 0-0-8 Natural Kelp sulfate of Potash for the AGGRAND 4-3-3 after lay-by when the additional nitrogen could be detrimental. AGGRAND added to the spray tank reduces the pesticide needed to obtain effective control by 1/3 to 1/2. some growers are finding that AGGRAND applications alone eliminate the need for pesticide applications when they are applied at the same times as pesticides.

Root Applications:

When transplanting into the field apply AGGRAND 4-3-3 at 2-3 gals./acre. Mix the fertilizer with 100 to 150 gallons of water. Rates vary according to soil fertility and other inputs used. When applying fertilizer to bare roots do not exceed 2% dilution.

Soil Applications:

Mix 3 gals. of AGGRAND 4-3-3 in 20-30 gals. of water. Apply solution to one acre (apply spring and fall if soil is hard and low in organic matter.