

Using AGGRAND to Grow Potatoes

Potatoes respond to AGGRAND fertilizers when applied in banded applications at planting and as foliar applications after emergence.

Banded Applications

Apply 2 to 3 gallons per acre of AGGRAND 4-3-3 Natural Fertilizer at planting. The addition of 1 to 2 gallons per acre of AGGRAND 0-12-0 Liquid Bonemeal along with the 4-3-3 also may be beneficial especially when phosphorus soil test levels are below 40 ppm.

Foliar Applications

Apply 1 to 3 gallons per acre of AGGRAND 4-3-3 mixed with 30 to 50 gallons of water as a fine mist with enough solution to thoroughly cover the leaves (increase spray volume as canopy develops to ensure thorough coverage). Make foliar applications in 10, 40 and 60 days after emergence.

Rates vary according to soil fertility and other inputs. Lower dilution rates are more effective than higher dilution rates. Two or three lighter applications may be more effective than one heavy application. If other constraints allow only one trip over the field, then do not exceed a 4 percent dilution rate (4 gallons of AGGRAND to 100 gallons 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 from the attack of insects and disease causing organisms, apply 1 gallon of AGGRAND 4-3-3 per acre when signs of infestation first become apparent. Substitute 2 quarts of AGGRAND 0-0-8 Kelp and Sulfate of Potash for the 4-3-3 late in the season when the additional nitrogen is not needed. AGGRAND added to the spray tank reduces the pesticide needed to obtain effective control by 1/3 to 1/2. Some growers find AGGRAND applications alone eliminate the need for pesticide applications when they are applied at the same time as pesticides.

Soil Applications

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