

## Using AGGRAND to Grow Berries

Obtain peak foliar responses on perennial crops such as raspberries by applying AGGRAND fertilizer after the leaves open, after bloom, and during fruit fill up to three weeks before final harvest.

### Root Applications:

Mix 2 to 3 gallons of AGGRAND 4-3-3 with 25 to 50 gallons of water and apply to one acre once a month during growing season. Optimize results by adding 1-2 quarts of 0-0-8 to the mix.

### Foliar Applications

- Mix 1 to 2 gallons of AGGRAND 4-3-3 with 50 to 100 gallons of water and apply as a fine mist to one acre after leaves open and again after first bloom.
- Mix 2 to 4 quarts of AGGRAND 0-0-8 Natural Kelp and Sulfate of Potash with the same volume of water and apply during fruit formation up to three weeks before final harvest.

Rates vary according to soil fertility and other inputs. Higher dilution rates are more effective than lower dilution rates. Two or three lighter applications may be more effective than one heavy application. If other constraints only allow one trip over the field, then do not exceed a 3 percent dilution rate (3 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 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 gallon of AGGRAND 4-3-3 per acre when signs of infestation first become apparent. Substitute 1 quart of AGGRAND 0-0-8 for the 4-3-3 late in the season when the additional nitrogen and phosphorus are not needed. Some growers find AGGRAND applications alone eliminate the need for pesticide applications on certain pests when they are applied at the same time as pesticides. AGGRAND added to the spray tank reduces the pesticide needed to obtain effective control by  $\frac{1}{4}$  to  $\frac{1}{2}$ .

### Soil Applications:

Mix 2 to 3 gallons of AGGRAND 4-3-3 in 20 to 30 gallons of water. Apply solution to one acre in spring or fall. Apply spring *and* fall if soil is hard and low in organic matter. Optimize results by adding 2 to 3 gallons of AGGRAND 0-12-0 and 1 to 2 quarts of AGGRAND 0-0-8 to the mix.