

Application Rates for Growers & Commercial Agriculture

Apples

5 gallons per acre foliar at pre-pink or petal fall.

4 gallons per acre 15-21 days after full bloom.

3 gallons per acre foliar 21-30 days later.

Apricots

3-4 gallons per acre foliar at petal fall.

3-4 gallons per acre 15 day later.

Fall ground application.

Asparagus

10 gallons per acre at planting.

15 gallons per acre second year.

20 gallons per acre third year and after.

Barley (dry land)

5 gallon per acre banded with seed.

5 gallons per acre foliar in spring at tilling.

Barley (irrigated)

10-15 gallons per acre banded with seed.

5 gallons per acre 30 days after emergence.

5 gallons per acre through each 30 days for a total of 30 gallons.

Beans

5 gallons per acre banded with seed.

Up to 5 gallons per acre foliar at pre-bloom.

Beans (Lima)

5 gallons per acre with seed.

5 gallons per acre foliar at 4th node.

5 gallons per acre at pre-bloom.

Cabbage

5 gallons per acre at planting.

2-3 gallons per acre 3 weeks later.

2-3 gallons per acre foliar 3 weeks later.

Carrots

5 gallons per acre banded with seed at planting.

5 gallons per acre foliar when tops have sufficient foliage.

4 gallons per acre foliar each 30 days for a total of 30 gallons.

Celery

Prepare soil at 10 gallons per acre.

3 applications at 5 gallons per acre during season.

Cherries

5 gallons per acre between petal fall and shuck.

5 gallons per acre foliar at pit hardening.

5 gallons per acre 15-21 days post harvest.

Clover

5 gallons per acre at planting. No added Nitrogen necessary.

Cole Crops

5 gallons per acre at planting.

5-7 gallons per acre foliar 3-4 weeks later.

5-7 gallons per acre foliar 3-4 weeks later.

Corn (field)

12-14 gallons per acre banded with seed.

6 gallons per acre foliar 30 days after emergence.

3rd application of 5 gallons per acre.

Corn (sweet)

Most climates require a total of 20 gallons per acre.

10 gallons per acre banded with seed.

5 gallons per acre foliar when plants are about 4" tall.

5 gallons per acre foliar when plant is 18"-20" tall.

Cranberries

5 gallon per acre soil preparation.

2 gallon per acre through irrigation system at popcorn.

2-3 gallon per acre at hook.

2-3 gallons per acre at fruit set and bud differentiation.

Cucumbers

5 gallons per acre at planting.

5 gallons per acre foliar 30 days later.

5 gallons per acre foliar 30 days later.

Dry Peas

5 gallons per acre at planting. No extra Nitrogen necessary.

Evergreens and Ornamentals

5 gallons per acre foliar following last frost.

2-3 gallons per acre foliar after bud hardening.

Third application if necessary. No foliar spraying after late August.

Grapes

Fall ground application of 10 gallons/acre.

Spring application of 5 gallons/acre.

Mid season application of 5 gallons/acre.

After harvest and subsequent applications of 5 gallons/acre.

Grass Seed (irrigated)

10-16 gallons per acre in three applications.

Grass Seed (dry land)

3 gallons per acre banded at planting.

4-8 gallons per acre in two foliar applications.

Hops

5 gallons per acre to ground in late fall.

5 gallons per acre foliar in May.

5 gallons per acre at pre-bloom.

Lentils

3-5 gallons per acre at planting. No other Nitrogen necessary.

Malting Barley

3 gallons per acre with seed.

3 gallons per acre foliar at tillering.

Melons

5 gallons per acre at planting.

5 gallons per acre foliar 30 days later.

5 gallons per acre foliar 30 days later.

Mint

If irrigated, can be applied through sprinkler system during watering cycle. Purge with water at end of cycle.

2-3 gallons per acre in fall, post-harvest.

2-6 gallons per acre per week for a total of 15 gallons per acre, until July 10.

Nectarines

3-4 gallons per acre foliar at petal fall.

3-4 gallons per acre 15 days later.

5 gallons per acre fall ground application recommended.

Oats

3 gallons per acre with seed.

3 gallons per acre foliar at tillering.

Onions

10 gallons per acre banded with seed.

5 gallon per acre foliar 30 days later.

5 gallon per acre foliar each 30 days for a total of 25-30 gallons.

Ornamentals

5 gallons per acre foliar following last frost.

2-3 gallons per acre foliar after bud hardening.

Third application if necessary. No foliar spraying after late August.

Pasture (dry land)

3-5 gallons per acre foliar per cutting, diluted at 50:1.

Pasture (irrigated)

Crop Condition Season Rate - 50:1

Alfalfa Any Any 2-3 gal per acre

Alfalfa/Grass 50% grass Any 4-10 gal per acre

Grass, low yield Poor Short 2-6 gal per acre

Grass, high yield Poor Short 4-8 gal per acre

Grass, low yield Good Short 6-10 gal per acre

Grass, high yield Good Short 14-20 gal per acre

Grass, low yield Poor Long 4-8 gal per acre

Grass, high yield Poor Long 8-12 gal per acre

Grass, low yield Good Long 10- 18 gal per acre

Grass, high yield Good Long 24-30 gal per acre

Peaches

5 gallons per acre foliar at petal fall.

5 gallons per acre 15 days later.

5 gallons per acre fall ground application recommended.

Pears

5 gallons per acre foliar at pre-pink or petal fall.

4 gallons per acre 15-21 days after full bloom.

3 gallon per acre foliar 21-30 days later.

Potatoes

Planting - 10 gallons per acre, banded with seed.

Flower onset - 5 gallons per acre, foliar spray.

Tuber enlargement- 5 gallons per acre, foliar spray.

Maturity (vine withers) - 5 gallons per acre, foliar spray.

Prunes

3-4 gallons per acre foliar at petal.

3-4 gallons per acre 15 days later.

5 gallons per acre fall ground application is desired.

Raspberries & other Caneberries

Older Plants

5 gallons per acre soil application.

3-4 gallons per acre foliar, when coming out of dormancy.

3-4 gallons per acre starting on 1st of June.

New Plantings

First Year: 4-6 gallons per acre split between banding and foliar feeding.

Second Year: 6-8 gallons per acre in three applications, foliar or ground applied.

Third Year: 8-10 gallons per acre split between banding and foliar feeding.

Fourth Year: 10-12 gallons per acre split between banding and foliar feeding.

Rhubarb

10 gallons per acre at planting to establish plant.

15 gallons per acre second year.

20 gallons per acre third year and after.

Ryegrass (perennial)

3-4 gallons per acre banded with seed.

4 gallons per acre sprayed early September.

8 gallon per acre sprayed 1st of March.

Seed Grasses & Cover Crops

Plant with 3-5 gallons per acre top-dressed or banded.

3-5 gallons per acre each 30 days up to 15 gallon total.

Spring Wheat

3 gallons per acre with seed.

3 gallons per acre foliar at tillering.

Squash

5 gallon per acre at plant.

5 gallon per acre foliar 30 days later.

5 gallon per acre foliar 30 days later.

Strawberries

5 gallons per acre foliar at pre-bloom.

5 gallons per acre foliar mid-August for crown building.

5 gallons per acre with new planting.

Sugar Beets

Determine normal yield for the area.

Split applications between banding-with seed and foliar spraying of a maximum of 5 gallons per acre per application.

Use 1 gallon of GS Plant Foods Liquid Fish per ton of product for climate and area.

Apply prior to July 1.

Table Beets

5 gallons per acre banded with seed at planting.

4-6 gallon per acre foliar at two leaves.

4-6 gallon per acre 30 days later.

Tomatoes

5 gallons per acre soil preparation.

5 gallons per acre foliar 3 weeks later.

5 gallons per acre before fruit set.

Vineyards

Fall ground application of 10 gallons/acre.

Spring application of 5 gallons/acre.

Mid season application of 5 gallons/acre.

After harvest and subsequent applications of 5 gallons/acre.

Winter Wheat

5 gallons per acre banded with seed.

5 gallons per acre foliar in spring at tillering.

Zucchini

5 gallons per acre soil preparation.

5 gallons per acre foliar 30 days later.

5 gallons per acre foliar 30 days later.

Storage

Undiluted GS Plant Foods Liquid Fish stores well in conditions of moderate cold or heat. It has a shelf life of 5+ years.

Once you have added water, it is important to use the entire diluted product. Do not store diluted material. Diluted material will experience microbial growth that can cause odor and render the product ineffective.