SPECIFIC CROP APPLICATIONS
(seasonal application rates)

Apples
1. 6 gallons per acre foliar at pre-pink or petal fall.
2. 5 gallons per acre 15-21 days after full bloom.
3. 4 gallons per acre foliar 21-30 days later

Apricots
1. 4-5 gallons per acre foliar at petal fall.
2. 4-5 gallons per acre 15 day later.
3. Fall ground application, 5 gallons per acre.

Asparagus
1. 13 gallons per acre at planting to establish.
2. 19 gallons per acre second year.
3. 25 gallons per acre third year and after.

Barley (dryland)
1. 6 gallon per acre banded with seed.
2. 6 gallons per acre foliar in spring at tillering

Barley (irrigated)
1. 13-19 gallons per acre banded with seed.
2. 6 gallons per acre 30 days after emergence.
3. 6 gallons per acre through each 30 days for a total of 30 gallons.

Beans
1. 6 gallons per acre banded with seed.
2. Up to 6 gallons per acre foliar at pre-bloom.

Beans (lima)
1. 6 gallons per acre with seed.
2. 6 gallons per acre foliar at 4th node.
3. 6 gallons per acre at pre-bloom.

Cabbage
1. 6 gallons per acre at planting.
2. 3-4 gallons per acre 3 weeks later.
3. 3-4 gallons per acre foliar 3 weeks later.

Carrots
1. *6* gallons per acre banded with seed at planting.
2. 6 gallons per acre foliar when tops have sufficient foliage.
3. 5 gallons per acre foliar each 30 days for a total of 30 gallons.

Celery
1. Prepare soil at 13 gallons per acre.
2. 3 applications at 6 gallons per acre during season.

Cherries
1. 6 gallons per acre between petal fall and shuck.
2. 6 gallons per acre foliar at pit hardening.
3. 6 gallons per acre 15-21 days post harvest.

Clover
1. 6 gallons per acre at planting.
2. No added Nitrogen necessary.

Cole Crops
1. 6 gallons per acre at planting.
2. 6-9 gallons per acre foliar 3-4 weeks later.
3. 6-9 gallons per acre foliar 3-4 weeks later.

Com (field)
1. 15-18 gallons per acre banded with seed.
2. 8 gallons per acre foliar 30 days after emergence.
3. Third application of 6 gallons per acre.

Corn (sweet) *most climates will require a total of 25 gallons per acre.
1. 13 gallons per acre banded with seed.
2. 6 gallons per acre foliar when plants are about 4" tall.
3. 6 gallons per acre foliar when plant is 18"-20" tall.

Cranberries
1. 6 gallon per acre soil preparation.
2. 3 gallon per acre through irrigation system at popcorn.
3. 3-4 gallon per acre at hook.
4. 3-4 gallons per acre at fruit set and bud differentiation.

Cucumbers
1. 6 gallons per acre at planting.
2. 6 gallons per acre foliar 30 days later.
3. 6 gallons per acre foliar 30 days later.

Dry Peas
1. 6 gallons per acre at planting.
2. No extra Nitrogen necessary.

Evergreens (and ornamentals)
1. 6 gallons per acre foliar following last frost.
2. 3-4 gallons per.acre foliar after bud hardening.
3. Third application, if necessary. No foliar spraying after late August.

Grass Seed (irrigated)
1. 13-20 gallons per acre in three applications.

Grass Seed (dry land)
1. 4 gallons per acre banded at planting.
2. 5-10 gallons per acre in two foliar applications.

Hops
1. 6 gallons per acre to ground in late fall.
2. 6 gallons per acre follar in May.
3. 6 gallons per acre at pre-bloom.

Lentils
1. 4-6 gallons per acre at planting.
2. No other Nitrogen necessary.

Malting Barley
1. 4 gallons per acre with seed.
2. 4 gallons per acre foliar at tillering.

Melons
1. 6 gallons per acre at planting.
2. 6 gallons per acre foliar 30 days later.
3. 6 gallons per acre foliar 30 days later.

Mint

1. Post-harvest, 2-3 gals per acre in fall.
2. 2-6 gallons per acre per week for a total of 15 gallons pc acre, until July 10.

*If irrigated, can be applied trough sprinkler system during watering cycle, purge with water at end of cycle.

Nectarines

1. 4-5 gallons per acre foliar at petal fall.
2. 4-5 gallons per acre 15 days later.
3. 6 gallons per acre fall ground application recommended.

Oats

1. 4 gallons per acre with seed.
2. 4 gallons per acre foliar at tillering.

Onions

1. 13 gallons per acre banded with seed.
2. 6 gallon per acre foliar 30 days later.
3. 6 gallon per acre foliar each 30 days for a total of 25-30 gallons.

Pasture (dry land)

1. 4-6 gallons per acre foliar per cutting, diluted at 50:1.

Pasture (irrigated)

Crop	Cond.	Season	Rate
Alfalfa	Any	Any	3-4 gal/acre
Alfalfa / Grass	50% Grass	Any	5-13 gal/acre
Grass, low yield	Poor	Short	3-8 gal/acre
Grass, high yield	Poor	Short	5-10 gal/acre
Grass, low yield	Good	Short	8-13 gal/acre
Grass, high yield	Good	Short	18-25 gal/acre
Grass, low yield	Poor	Long	5-10 gal/acre
Grass, high yield	Poor	Long	10-15 gal/acre
Grass, low yield	Good	Long	13-22 gal/acre
Grass, high yield	Good	Long	30-38 gal/acre

Peaches

1. 6 gallons per acre foliar at petal fall.
2. 6 gallons per acre 15 days later.
3. 6 gallons per acre fall ground application recommended.

Pears

1. 6 gallons per acre foliar at pre-pink or petal fall.
2. 5 gallons per acre 15-21 days after full bloom.
3. 4 gallons per acre foliar 21-30 days later.

Potatoes

1. Planting – 13 gallons per acre, banded with seed.
2. Flower onset - 6 gallons per acre, foliar spray.
3. Tuber enlargement - 6 gallons per acre, foliar spray.
4. Maturity (vine withers) - 6 gallons per acre, foliar spray.

Prunes

1. 4-5 gallons per acre foliar at petal.
2. 4-5 gallons per acre 15 days later.
3. 6 gallons per acre fall ground application is desired.

Raspberries (& other caneberries)

Older Plants:

1. 6 gallons per acre soil application
2. 4-5 gallons per acre foliar, when coming out of dormancy.
3. 4-5 gallons per acre starting on 1st of June.

New Plantings:

1. First Year: 5-8 gallons per acre split between banding and foliar feeding.
2. Second Year: 8-10 gallons per acre.in three applications, foliar or ground applied.
3. Third Year: 8-13 gallons per acre split between banding and foliar feeding.
4. Fourth Year: 13-15 gallons per acre split between banding and foliar feeding.

Rhubarb

1. 13 gallons per acre at planting to establish plant.
2. 19 gallons per acre second year.
3. 25 gallons per acre third year and after.

Ryegrass (perennial)

1. 4-5 gallons per acre banded with seed.
2. 5 gallons per acre sprayed early September.
3. 10 gallons per acre sprayed 1st of March.

Seed Grasses, Cover Crops

1. Plant with 4-6 gallons per acre topdressed or banded.
2. 4-6 gallons per acre each 30 days up to 15 gallon total.

Spring Wheat

1. 4 gallons per acre with seed.
2. 4 gallons per acre foliar at tillering.

Squash

1. 6 gallon per acre at plant.
2. 6 gallon per acre foliar 30 days later.
3. 6 gallon per acre foliar 30 days later.

Strawberries

1. 6 gallons per acre foliar at pre-bloom.
2. 6 gallons per acre foliar mid-August for crown building.
3. 6 gallons per acre with new planting.

Sugar Beets

1. Determine normal yield for the area.
2. Split applications between banding-with seed and foliar spraying of a maximum of 6 gallons per acre per application.
3. Use 1 gallon of H2H per ton of product for climate and area.
4. Apply prior to July 1st.

Table Beets

I. 6 gallons per acre banded with seed at planting.
2. 5-8 gallons per acre foliar at two leaves.
3. 5-8 gallons per acre 30 days later.

Tomatoes

1. 6 gallons per acre soil preparation.
2. 6 gallons per acre foliar 3 weeks later.
3. 6 gallons per acre before fruit set.

Vineyard (European or wine variety)

1. Fall ground application of 4-10 gallons per acre, depending on soil conditions.

Vineyards, (sweet or juice variety)

1. Fall ground application of 13 gallons per acre depending on soil conditions if vines lack vigor.
2. 6 gallons per acre mid season.
3. 6 gallons per acre after harvest.

Winter Wheat

1. 6 gallons per acre banded with seed.
2. 6 gallons per acre foliar in spring at tillering.

Zucchini

1. 6 gallons per acre soil preparation;
2. 6 gallons per acre foliar 30 days later;
3. 6 gallons per acre foliar 30 days later.

Foliar Applications:

(Spray applications to foliage and or leaves)

Dilute one (1) gallon H2H™ to 30-50 gallons of water. Spray after sunset or in the coolest part of the day. Recommended rate is at least 3-6 gallons of H2H™ (before dilution) per acre or more to achieve proper coverage. Must be applied before fruit set as part of application program.

Soil Applications:

(Garden Vegetables, Roses, and other Flowers)

One (1) gallon with sufficient water top cover intended area. Minimum dilution rate in one (1) part H2H™ to 15-20 parts water, sprayed or side-dressed with seed. Typical application rates are 5-15 gallons of H2H™ per acre.

Compost Starter:

Use 4 oz. of H2H™ per gallon of water. Mix into compost once a week, or whenever additional material is added to compost. Mix in enough diluted H2H™ to wet the entire pile thoroughly.

Lawn Applications:

Lawn applications should be at a dilution rate of between 30:1 = 4 oz./gal. and 50:1. = 2.5 oz./gal. One gallon of H2H™ covers 7,500 sq. ft. to 10,000 sq. ft. (¼ acre).

Seedlings or Transplants:

Dip in a solution of four (4) oz. H2H™ to one (1) gallon of water, then plant and backfill hole with soil. Can also top-water with same solution

Trees, Shrubs and Ornamentals:

Use 4 oz. of H2H™ per gallon of water. Feed by boring 1” holes, 8” to 12” deep, around the drip line of the plant (holes should be one to two feet apart. Fill holes with solution, 2-3 times per season.