



Growers Secret Nitrogen supplemental application guidelines

<http://warnell.forestry.uga.edu/service/library/for96-054/>

<u>Can be used in any irrigation system</u>					
Grouping	Representative crops	Recommended rates / application			Typical Units of N / Acre
Root / Tuber and Corm Vegetables (and leaves)	Beets, Carrot, Potato, Radish, Sweet Potato, Yam	5 - 8 lbs. / acre / app.			100 lbs. plus / acre
Bulb Vegetables (and leaves)	Chive, Garlic, Leek, Onion	1/2 - 10 lb. @ planting, 6-10 lbs. / acre / month	2 - 4 lbs. Foliar / acre / app., 1 - 2 lbs. / acre / app. drip		100 lbs. plus / acre
Leafy vegetables	Celery, Lettuce, Parsley, Rhubarb, Spinach	5 - 10 lbs. / acre / app.			50 - 120 lbs. / acre
Brassica (Cole crops) Leafy Vegetables	Broccoli, Bok Choy, Cauliflower, Cabbage, Kohlrabi, Mustard greens	5 - 12 lbs. / acre / app.			100 - 200 lbs. plus / acre
Legume Vegetables (Succulent or Dried)	Beans, Peas	5 - 10 lbs. / acre / app.			Beans 73-128 lbs. / acre
Fruiting Vegetables	Eggplant, Pepper (Bell and Hot), Tomato	5 - 10 lbs. at planting / acre	4 - 6 lbs. foliar / acre / app., 2 - 4 lbs. / acre / week drip		174 lbs. / acre
Cucurbit Vegetables	Cantaloupe, Cucumber, Melons, Pumpkins, Squash	8 - 15 lbs. / acre / app., Drip 3 - 4 lbs. / acre / app. (3 - 4 apps.)			80 - 150 lbs. / acre
Citrus Fruit	Grapefruit, Lemon, Lime, Orange, Tangerine / Mandarin	5 - 10 lbs. / acre / app., 2 - 3lbs Foliar / month. 4lbs bi weekly soil drench			Grapefruit 5 years or more, 1/2 the amount of other citrus. 150 lbs. / acre
Pome Fruit	Apple, Pear	1 - 2 lbs. / acre. (2 apps.)			40 - 100 lbs. (Not to exceed 100 lbs.) / acre, with sod add 25lbs
Stone Fruit	Cherry (sweet and tart), Nectarine, Peach, Plum, Prune	2 - 4 lbs. / acre / week fertigation	5 - 10 lbs. foliar / acre after harvest	5 - 10 lbs. foliar / acre in the fall	60 - 100 lbs. / acre
Berry and Small Fruit	Blackberry, Blueberry, Cranberry, Grape, Kiwi, Raspberry, Strawberry	1lb. / acre / wk. foliar, 2 - 10 lbs. / acre / wk. drip depending on N requirements			60 - 165 lbs. / acre / year depending on variety.



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Tree Nut Group	Almond, Chestnut, Hazelnut, Macadamia, Pecan, Pistachio, Walnut	8 - 12 lbs. / acre / app. foliar. 2 - 4 lbs. / acre / weekly drip (Also contains Arginine which helps plants adapt to stress)		60 - 350 lbs. / acre
Cereal Grains, Rice	Corn, Oats, Rice, Sorghum, Triticale, Wheat	Corn 1 - 2 lbs. / acre / wk. drip tape	Side dress 2 - 3 lbs. in 2 gal water / acre, 10 lbs. in 10 - 20 gal water / acre Foliar 7 - 12 lbs. / acre / app	up to 133 lbs. / acre
Grass, Forage, Fodder and Hay crops	Alfalfa, Bermuda grass, Bluegrass, Brome grass, Clover, Timothy	5 - 10 lbs. / acre / app. / (month on Timothy & Bermuda)		100 - 200 lbs. / acre, (Alfalfa most likely 0 due to nitrogen fixing bacteria)
Herbs and Spices	Basil, Chives, Celery seed, Dill seed, Cilantro,	Foliar 5 lbs. / acre / week, Drip 1 - 2 lbs. / acre / week		100 - 120 lbs. / acre / year,
Oil Seed Crops	Canola, Sunflower, Cottonseed, Flax seed, Safflower	10 - 20 lbs. / acre / app.		100-250 lbs. / acre / year, Canola and Sunflower being the heaviest user.
Tropical Fruit.	Avocado, Guava, Banana, Papaya	6 - 10 lbs. / acre 3 apps., Pap. 10-15 lbs. / acre weekly		Hass 150-200 lbs. / acre, others 100-200 lbs. / acre. Papaya 218 lbs. / acre weekly
other	Artichokes	Perennials: Foliar 4 - 6 lbs. / acre / month, 1 lb. / acre / week drip. Annuals: 1 - 2 lbs. / week drip		100-200 lbs. per acre for Perennials, Annuals 20-30 lbs. / acre @ preplant, 5 lbs. / acre / week

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*Data is solely for guidance purposes. We encourage users to conduct their own soil and petiole testing best suited for their crop.