

NORTH COUNTRY ORGANICS FERTILIZER APPLICATION GUIDE

LANDSCAPE AND NURSERY (Expressed in pounds [#] per 1000 sq. ft.)

- **BULBS** - Apply 10-15# Pro-Start at planting (fall) and 10-15# Pro-Gro in spring.
- **FLOWERS (Annuals)** - Apply 15-20# Pro-Gro lightly worked into soil at planting.
- **LAWNS (Established)** - Spread 12# Nature's Turf or 20# Pro-Gro early fall and the same amount mid to late spring. Or, if lawns have a high percentage of weeds, apply 25# Pro-Gro (or 15# Nature's Turf) early spring and set mowing height as high as possible for the first 6-8 weeks of the spring. Mow every 4-5 days if possible. Or, for persistent annual weeds, apply 20# corn gluten early spring and 20# Pro-Start mid to late spring. Use Pro-Booster 10-0-0 at 10# where extra or only nitrogen is needed. *See also Turf Care Program.* **NOTE:** In areas where phosphate application to lawns is banned, use Natural No-Phos at 16½#.
- **LAWNS (New)** - Spread 20# Pro-Start and incorporate very lightly into the soil's surface before seeding down with a NCO Turf Seed Blend.
- **PERENNIALS** - Apply 20# Pro-Start in early spring when new growth begins to appear.
- **ROSES** - Apply 15# Pro-Start in late summer or early fall, 10# Pro-Gro in spring and 10# Pro-Gro again in early summer.
- **TREES (Established)** - Spin-spread at dripline 1# Pro-Gro per 2 ft. of crown diameter early spring or late fall after dormancy. Increase application rate by 30-50 percent for trees growing on lawns. Decrease application rate for pruned trees proportional to the percentage of the tree that was trimmed off. For nursery stock, narrow spreading width to no less than 12 inches (banding not recommended). **NOTE:** Use Pro Holly 4-6-4 on acid loving trees and shrubs.
- **TREES (Ornamental and Fruit Bearing)** - Spin-spread at dripline 1# Pro-Start per 2 ft. of crown diameter early spring. Increase application rate by 30-50 percent for trees growing on lawns. Decrease application rate for pruned trees proportional to the percentage of the tree that was trimmed off. For nursery stock, narrow spreading width to no less than 12 inches (banding not recommended). For young, non-bearing trees, use the recommendations for established trees.
- **TREES (Transplants)** - Soak bare root stock in a 128:1 solution of Stress-X Powder and water for at least 30 minutes before planting. Apply 1-2# phosphate rock or bonemeal into planting hole and refill transplant hole to within 4 inches of grade. Sprinkle ½# (per 2 ft. tree height) Pro-Gro, and fill to grade. If transplanting a tree or shrub with a root ball, water vigorously with the Stress-X solution before filling transplant hole to grade. After 30 days apply another ½# (per 2 ft. tree height) Pro-Gro. **NOTE:** It is suggested that all young trees receive 1# Sulfate of Potash per tree in midsummer to promote winter hardiness.

VEGETABLES (Expressed in pounds [#] per 1000 sq. ft.)

- **ASPARAGUS** - Apply 15# Pro-Start in fall and 25# Pro-Gro in early spring.
- **BEANS** - Apply 15-20# Pro-Start lightly worked into soil at planting.
- **CARROTS** - Apply 20-25# Pro-Start lightly worked into row at planting and sidedress with 10# Pro-Gro after thinning.
- **COLE CROPS** - Apply 15# Pro-Start lightly worked into soil at planting and sidedress with 15-20# Pro-Gro at first sign of heads.
- **CUCUMBERS** - Apply 10-15# Pro-Start lightly worked into soil at planting and sidedress with 20# Pro-Gro when vines start to run.
- **EGGPLANTS** - See **TOMATOES**.
- **GARLIC** - Apply 20# Pro-Start lightly worked into row at planting (fall) and sidedress with 15-20# Pro-Gro (spring) when plants are 6-8 inches tall.
- **GOURDS (Melons, Squash, etc.)** - See **CUCUMBERS**.
- **HERBS** - Apply 5-10# Pro-Start in spring for perennials and annuals, lightly worked into soil at planting.
- **LEAF CROPS** - Apply 20# Pro-Gro lightly worked into soil at planting and sidedress with another 15-20# 20-30 days later or when heads begin to show. Pro-Booster 10-0-0 can be used where only nitrogen is needed.
- **ONIONS** - Apply 25-30# Pro-Start lightly worked into row at planting.
- **OTHER ROOT CROPS** - See **ONIONS**.

VEGETABLES (Continued)

- **PEAS** - See **BEANS**.
- **PEPPERS** - Apply 10-20# Pro-Start lightly worked into soil at planting and 5# Pro-Gro when fruit is half-dollar size.
- **POTATOES** - Apply 20# Pro-Start lightly worked into row at planting and sidedress with 10-15# Pro-Gro at first flower.
- **SWEET CORN** - Apply 10-15# Pro-Gro lightly worked into row and sidedress with 10# Pro-Booster 10-0-0 when plants are 8-12 inches high.
- **TOMATOES** - Apply 20-30# Pro-Start lightly worked into soil at planting and 10-15# Pro-Gro when fruits become half-dollar size.

FRUIT (Expressed in pounds [#] per 1000 sq. ft.)

- **BLUEBERRIES** - Apply 1# Pro-Gro or Pro-Holly 4-6-4 per 3 ft. bush height in spring.
- **BRAMBLES (Raspberries, Blackberries, etc.)** - Apply 20# Pro-Start after harvest and 15# Pro-Gro or Pro-Holly 4-6-4 late spring.
- **FRUIT TREES** - For young trees, spread under the dripline 1# Pro-Gro per 2 ft. of crown diameter. For mature trees spread 1# Pro-Start per 2 ft. of crown diameter from under the dripline. **NOTE:** See recommendations for **TREES (Established)** and **TREES (Ornamental and Fruit bearing)** in the landscape and nursery recommendations. It is suggested that young fruit trees receive 1# Sulfate of Potash per tree in midsummer to promote winter hardiness.
- **GRAPES** - Apply 15-20# Pro-Start just after harvest and 15# Pro-Gro in spring.
- **STRAWBERRIES** - Apply 20-25# Pro-Gro after renovation or after harvest when vines begin to run.

FORAGE AND SMALL GRAINS (expressed in pounds [#] per acre)

- **FEED CORN** - Under conditions of good fertility apply 400# Pro-Gro in the row and broadcast or sidedress another 200#. For nutrient deficient soils contact your NCO representative.
- **GRASS HAY** - Apply 400# Pro-Start 3-4 weeks before winter dormancy to winterize. Apply 400-800# Pro-Gro (5-3-4) before or after first cut. **NOTE:** Manure may be substituted at the rate of 25# NCO fertilizer per ton manure.
- **LEGUME HAY (alfalfa etc.)** - Apply 400# Pro-Start (2-3-3) 3-4 weeks before dormancy to winterize the crop and apply 150-200# Pro-Start after first cutting.
- **SMALL GRAINS (Oats, barley, soybeans, new seedlings, etc.)** - Apply 300#-600# Pro-Start depending on fertility.

POTTING MIXES

Thoroughly mix 5 - 30# Pro-Start into one cubic yard of potting soil depending on the nutrient needs of the plants being grown. **NOTE:** Organic fertilizers work faster in potting mixes that contain some soil or compost. For injection recommendations of Organic Gem and Stress-X, see product information.

HEMP AND CANNABIS

For large acreage, broadcast 1,000-lbs Pro-Hemp/acre and lightly incorporate into the soil's surface. Do not cultivate any deeper than 2-3 inches. For cannabis and smaller hemp applications, when transplanting, thoroughly mix ¼ cup Pro-Hemp in each planting hole with surrounding soil. After planting, water with a 100:1 solution Stress-X. Sprinkle ½ cup of Pro-Hemp under the dripline when plants are 2-3 feet tall. (Indoor and/or Container grown) visit COLDWARORGANICS.COM

HOPS

(Planting) Apply 1 cup of Pro-Start thoroughly mixed with soil in planting hole and soak with 100:1 Stress-X solution after burying rhizome. (Established) Sprinkle 1 cup Pro-Gro around each plant after pruning and before mulching. Sprinkle ¼ cup sulfate of potash/plant after harvest.