

Application Guide

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

- **FLOWERS (Annuals)** - Apply 15-20# of Pro-Gro lightly worked into soil at planting.
- **PERENNIALS** - Apply 20# of Pro-Start in early spring when new growth begins to appear.
- **BULBS** - Apply 10-15# Pro-Start at planting (fall) and 10-15# Pro-Gro in spring.
- **ROSES** - Apply 15# Pro-Start in late summer or early fall, 10# Pro-Gro in spring and 10# Pro-Gro again in early summer.
- **LAWNS (New)** - Spread 20# Pro-Start and incorporate very lightly into the surface of the soil before seeding down with a NCO Turf Seed Blend .
- **LAWNS (Established)** - Spread 12# Nature's Turf or 20# Pro-Gro early fall and the same amount mid to late spring. 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. For persistent annual weeds, apply 20# WeedBan early spring and 20# Pro-Start mid to late spring. SPREADER SETTINGS: Lesco - S, Cyclone - 5-6, Earthway - 20 (for 20#/1000 ft.2 of PG). NOTE: Use Pro-Booster 10-0-0 at 10#/1000 ft.2 where extra or only nitrogen is needed. See also Turf Care Program.
- **TREES (Established)** - Spin-spread at dripline 1# Pro-Gro per 2 foot of crown diameter early spring or late fall after dormancy (banding, barring, boring or drilling is not recommended). Increase application rate by 30 percent-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 t dripline 1# Pro-Start per 2 ft. of crown diameter early spring (banding, barring, boring or drilling is not recommended). Increase application rate by 30 percent-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 liquid seaweed concentrate from 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. Apply Myco-Magic Transplant around root ball per label instructions, sprinkle ½# (per 2 ft. tree height) of Pro-Gro, and fill to grade. If transplanting a tree or shrub with a root ball, water vigorously with the seaweed solution before filling transplant hole to grade. After 30 days apply another ½# (per 2 ft. tree height) of 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.)

- **POTATOES** - Apply 20# Pro-Start lightly worked into row at planting and sidedress with 10-15# Pro-Gro at first flower.
- **CARROTS** - Apply 20-25# Pro-Start lightly worked into row at planting and sidedress with 10# Pro-Gro after thinning.
- **ONIONS** - 25-30# Pro-Start lightly worked into row at planting.
- **OTHER ROOT CROPS** - See ONIONS.
- **COLE CROPS** - Apply 15# Pro-Start lightly worked into soil at planting and sidedress with 15-20# Pro-Gro at first sign of heads.
- **LEAF CROPS** - Apply 20# of 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.
- **BEANS AND PEAS** - Apply 15-20# Pro-Start lightly worked into soil at planting.
- **ASPARAGUS** - Apply 15# Pro-Start in fall and 25# Pro-Gro in early spring.
- **TOMATOES & EGGPLANTS** - Apply 20-30# of Pro-Start lightly worked into soil at planting and 10-15# Pro-Gro when fruits become half-dollar size.
- **PEPPERS** - Apply 10-20# Pro-Start lightly worked into soil at planting and 5# Pro-Gro when fruit is half-dollar size.
- **SWEET CORN** - Apply 10-15# Pro-Gro lightly worked into the row and sidedress with 10# Pro-Booster 10-0-0 when plants are 8-12 inches high.
- **CUCUMBERS** - Apply 10-15# Pro-Start lightly worked into the soil at planting and sidedress with 20# Pro-Gro when vines start to run.
- **GOURDS** (Melons, Squash, etc.) - See CUCUMBERS

HERBS - Apply 5-10# Pro-Start in spring for perennials and annuals, lightly worked into soil at planting.

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

- **STRAWBERRIES** - Apply 20-25# Pro-Gro after renovation or after harvest when vines begin to run.
- **BRAMBLES (Raspberries, Blackberries, etc.)** - 20# Pro-Start after harvest and 15# Pro-Gro or Pro-Holly 4-6-4 late spring.
- **BLUEBERRIES** - Apply 1# Pro-Gro or Pro-Holly 4-6-4 per 3 ft. bush height in spring.
- **GRAPES** - 15-20# Pro-Start just after harvest and 15# Pro-Gro in spring.

- **FRUIT TREES** - For young trees spread under the dripline 1# Pro-Gro per 2 foot 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.

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

- **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 or 4 gallons of Squanto's Secret (per acre) after first cutting.
- **GRASS HAY** - Apply 400# Pro-Start 3-4 weeks before winter dormancy to winterize. Split apply 100-150# Pro-Gro (5-3-4) per ton of intended annual yield early spring and after first cut. NOTE: Manure may be substituted at the rate of 25# NCO fertilizer per ton of manure.
- **FEED CORN** - Under conditions of good fertility apply 400# of Pro-Gro in the row and broadcast or sidedress another 200#. For nutrient deficient soils contact your NCO representative.
- **SMALL GRAINS** (Oats, barley, soybeans, new seedlings, etc.) - Apply 300#-600# of Pro-Start depending on fertility.

POTTING MIXES

- Thoroughly mix 10-30# 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 Squanto's Secret and Stress-X, see product information.