



PROPEL – FOLIAR FERTILIZER

Propel is a broad-spectrum natural garden fertilizer formulated for flowers, trees, shrubs, fruit, vegetables, root crops and ornamentals. It contains a mixed cultured solution with high grade macro and micro nutrients, amino acids, complex carbohydrates, vitamins and minerals and proprietary constituents. **Propel** garden fertilizer is effective when soil applied, foliar applied or applied thru drip irrigation. When applied thru a fertilizer drip irrigation system, supplemental nitrogen requirements can be significantly reduced. When foliar applied, a rapid plant response will be evident.

In addition, **Propel**, garden fertilizer limits or prevents plant absorption of heavy metals and other impurities. Offering numerous advantages in many different growing mediums, **Propel** - foliar fertilizer is suitable for conventional farmers, professional organic farmers, horticulturists, vegetable growers, manufacturers of plant substrates, tree farmers, landscapers, etc. **Propel** garden fertilizer is a safe alternative to chemical fertilizers for use in the garden, in the home and in open field environments.

BENEFITS OF PROPEL NATURAL GARDEN FERTILIZER WHEN SOIL APPLIED:

- Increases available nutrients and improves nutrient uptake
- Contains primary and secondary plant nutrients for slow, healthy growth
- Ideal starter fertilizer for ornamental planting
- Aids in biological nitrogen fixation
- Stimulates root development
- Stimulates and helps sustain indigenous biomass
- Aids in reducing soil compaction
- Promotes ecological balance in the soil
- Aids in soil restoration
- Improves plant photosynthetic efficiency
- Promotes moisture retention
- Well suited for environments with nitrogen and potassium deficiencies

BENEFITS OF PROPEL NATURAL GARDEN FERTILIZER WHEN FOLIAR APPLIED:

- Improves and sustains any fertility program
- Contains high grade plant nutrients for sustainable, non-toxic use
- Will limit or prevent plant absorption of heavy metals and other impurities
- Moves rapidly from leaf surface into the plant
- Contains complex constituents that enable rapid movement through the plant
- Enables rapid correction of nutrient deficiencies, reduces plant stress, improves plant health and improves yield
- Helps the plant's natural defence mechanisms to resist plant disease and insect infestations
- Can be used alone or mixed with herbicides

APPLICATION METHODS:

Propel can be soil or foliar applied with a conventional high-volume ground sprayer, hand sprayer, back pack sprayer, drip irrigation, fertigation, and hose-end sprayer or through direct injection systems.

TYPICAL APPLICATION RATES - OPEN FIELD - FOLIAR:

2 Litres (quarts) / Acre - Application rates may vary depending on canopy and sprayer setup

TYPICAL APPLICATION RATES - OPEN FIELD - SOIL:

1 Litre (quarts) / Acre - Application rates may vary depending on soil type and application apparatus

TYPICAL APPLICATION RATES - GARDENS - SOIL & FOLIAR:

30 to 60 mL / 5 Litres (1.3 gallons) of water

TYPICAL APPLICATION RATES - FRUIT TREES - FOLIAR:

1 to 2 Litres (quarts) / Acre - Application rates may vary depending on tree size and density

APPLICATION RATES & INTERVALS – Fruit Trees:

Plant Type	1 st Application	2 nd Application	3 rd Application
Apples / Pears	Green Tip	Pre-Bloom	Early Fruit Formation
Citrus	Early Bloom	Petal Fall	6 weeks prior to harvest
Grapes	At 25 - 30 cm.	Full Bloom	Berry Set
Stone Fruit	Bud	Full Bloom	Early Fruit Formation
Strawberries	Spring Growth	First Pre-Bloom	First Fruit Set

APPLICATION RATES & INTERVALS – Crops:

Plant Type	1 st Application	2 nd Application	3 rd Application
Beans, Peas	4 Leaf	First Bloom	First Pod
Carrots, Onions, Turnips	21 Days After Emergence	Root Enlargement	Every 21 Days
Broccoli, Cauliflower	4-6 Leaf	Plus 14 Days	Heading
Cabbage	4 Leaf	Plus 10 Days	Heading
Corn	3 Leaf	30 Inch Growth	Tasseling
Peppers, Melons, Squash	6 to 8 Inch Growth	Pre Bloom	Fruit Set
Greens	4 Leaf	Every 21 Days	Every 21 Days
Potatoes	Tuber Set	Plus 14 Days	Early Bloom
Tomatoes	6 - 8 Inch Growth	First Bloom	Fruit Set

APPLICATION TIPS:

- Increasing application rate and frequency can provide additional benefits
- Avoid pesticide applications within 48 hours of applying product
- Best applied in the early morning, evening or on a cloudy day
- Application rates and intervals may vary with environmental conditions, type of soil and grass and results required

SAFETY:

Propel is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **Propel** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **Propel** is environmentally safe and is not harmful to animals, plants and humans.

COMPLIANCE:

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3. 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8.

STORAGE & HANDLING:

Store in a cool location away from direct sunlight - No special handling required

PACKAGING:

2 Litre Jug
20 Litre (5 gallon) HDPE Pail
205 Litre (45 gallon) Barrel
1000 Litre Tote