



**THE ONE TO GROW WITH**



# EVERGREEN

## General Description:

APEX® Evergreen is formulated to meet the nutritional needs of continuous-feed and single-flush CONIFERS and BROADLEAF EVERGREENS that require supplemental nutrition that can leach in heavy rainfall production sites. The NPK coating levels are blended to provide a 'gentle' start, early root development with more branching and fuller plants. Encourages fall bud development.

### 19-6-9 Conifer (10-12 months @ 70°F)

Use APEX® 19-6-9 Conifer on all season plus crops that are kept outside during the entire growth cycle.

- Formulated for continuously flushing conifers.
- Steady release of nutrients offers year round feeding.
- Adequate amounts of nutrients are provided to prevent deficiencies common with rapidly growing conifers.
- Higher levels of magnesium, iron and sulfur to hold color in cooler growing conditions of the Pacific Northwest.

### 21-7-8 Evergreen (8-9 months @ 70°F)

Use APEX® 21-7-8 Evergreen for all full season container crops in warmer climates and season plus in cooler northern and moderate coastal climates.

- Recommended for general spring incorporation.
- Great for finishing season plus crop in mild climates.
- Excellent for ericaceous crops.

### 20-8-8 Evergreen (10-12 months @ 70°F)

Use APEX® 20-8-8 Evergreen as a season plus for all climates as this product will maintain good color for more than a season.

- Cooler climates: Recommended for fall application.
- Warmer climates: Recommended for year round applications.

# NPK

## General Description:

The perfect balance of nutrients and release longevities are provided in this homogeneous pellet. Each pellet contains both nitrate and ammoniacal nitrogen along with phosphorus and potassium to provide balanced growth of ornamental crops.

- This polymer coated NPK is the industry standard for crop consistency.
- Ideal for GREENHOUSE, CONTAINER NURSERY STOCK and PROPAGATION.
- Economical source of safe nitrogen (It is highly recommended to provide supplemental nutrition that includes micronutrients when using NPK formulations).

### 14-14-14 NPK (3-4 month @ 70°F)

Use APEX® 14-14-14 NPK for short season production with a balanced 1:1:1 ratio of plant nutrition. APEX® 14-14-14 NPK is best for BEDDING, FLOWERING and FRUITING commercial production crops.

### 19-6-13 NPK (5-6 months @ 70°F)

Use APEX® 19-6-13 NPK to meet the nutritional needs of CONTAINER GROWN ANNUALS and PERENNIALS as a full season NPK source.

### 19-6-12 NPK (7-8 months @ 70°F)

Use APEX® 19-6-12 NPK to meet the nutritional needs of CONTAINER GROWN ORNAMENTAL TREES & SHRUBS as a NPK source in all growing climates.

### 18-6-12 NPK (10-11 months @ 70°F)

Use APEX® 18-6-12 NPK on full season crops such as most WOODY ORNAMENTALS and PROPAGATION LINERS and plants grown for SUPERIOR FOLIAGE.

### 13-13-13 NPK (10-11 months @ 70°F)

Use APEX® 13-13-13 NPK for Woody Ornamentals and Propagation. Higher ratio of phosphorus for earlier root development.

### 17-6-12 NPK (12-13 months @ 70°F)

Use APEX® 17-6-12 NPK to provide the nutritional needs of all SEASON LONG CONTAINER GROWN CROPS. Uses include incorporation for baseline feed of WOODY ORNAMENTALS.

### 16-5-11 NPK (14-15 months @ 70°F)

Use APEX® 16-5-11 NPK incorporated in media for containerized plants needing nutrition longer than a full season. APEX® 16-5-11 NPK can be used as a long term baseline NPK feed for all season plus production crops.

## NPK MINIS

### 18-6-12 NPK Minis (3-4 months at 70°F)

A professional mini sized homogeneous 3 to 4 month controlled release fertilizer for propagation and container grown annuals. All of the nutrients in Apex 18-6-12 NPK Minis are combined within each uniform coated pellet, insuring precise distribution and release.

# NPK MAX

## General Description:

Use NPK Max on all FOLIAGE, NURSERY and GREENHOUSE crops where the ease of application and stand consistency is a must. All NPK MAX formulations have GAL-Xe polymer coated primary, secondary and micronutrients to provide consistent nutrition to the plant based on stated longevities. Also contains ETDA Iron chelate to keep the iron in a readily accessible form for plant uptake.

### 17-5-11 NPK Max (3-4 months @ 70°F)

- Longevity for short term annual greenhouse crops.
- Perfect for short term ANNUAL crop production.

### 16-5-10 NPK Max (5-6 months @ 70°F)

- Ideal for ANNUALS with extended shelf life.
- Perfectly suited for herbaceous perennials.
- Safe to incorporate in late winter for seedlings

### 15-5-10 NPK Max (8-9 months @ 70°F)

- Longevity suited for FULL SEASON crops in most climates.
- Incorporate in late fall to generate root development and will hold until late spring sales.

### 14-5-10 NPK Max (11-12 months @ 70°F)

- Longevity best suited for incorporation.
- Use for SEASON PLUS BROADLEAF EVERGREENS.

# NPK PLUS

## General Description:

Use NPK Plus formulated to provide the majority of the primary, secondary and minor elements that are essential for healthy root formation and controlled top growth development.

### 19-6-10 NPK Plus (4-5 months @ 70°F)

Use APEX® 19-6-10 NPK Plus to meet the nutritional needs of CONTAINER GROWN ANNUALS and PERENNIALS as a full season NPK source.

### 16-5-9 NPK Plus (6-7 months @ 70°F)

Use APEX® 16-5-9 NPK Plus to meet the nutritional needs for crops valued for foliage such as ROSES & HERBACEOUS PERENNIALS. Over 1.5% iron is added to provide extra sheen and darker green leaves for plants prized for their foliage. Safe for use in GREENHOUSES and other over-wintering structures.

### 22-6-8 NPK Plus (8-9 months @ 70°F)

Use APEX® 22-6-8 NPK Plus to meet the season long nutritional needs of CONTAINER GROWN TREES & SHRUBS. Good release in cooler climates. Residual nutrients promote next spring's growth in cooler growing areas.

### 22-6-12 NPK Plus (8-9 months @ 70°F)

Cost effective general purpose fertilizer designed for outdoor container nursery production. Specifically formulated to deliver nutrients consistently based on specified temperatures.

# SPECIALTY

## 0-46-0 Micro-Sized Monocalcium Phosphate

A high quality micro-sized phosphorus fertilizer. Excellent for bedding plants. Low phosphate solubility to extend nutrient release. Low fluorine levels for use on fluorine sensitive crops.

### 12-4-12 Palm K (3-4 months @ 70°F)

A professional, high quality controlled release fertilizer specifically formulated for palms with a 3:1:3 ratio with extra magnesium and a complete set of micronutrients.

### 21-2-7 Low P (8-9 months @ 70°F)

Use APEX® 21-2-7 Low P for season-long feeding of DECIDUOUS TREES, SHRUBS, EVER-GREENS and CONIFERS in NATIVE MINERAL soils.

### 38-0-0 Preplant (3-5 months @ 70°F)

APEX® 38-0-0 Preplant is one of the safer and longer lasting slow-release Nitrogen sources on the market today. Helps counteract nitrogen drawdown in composting piles and contains sulfur as a secondary nutrient.

## Micronutrient Formulation

Micronutrient Formulation is specifically formulated to provide most secondary and micronutrients for plant uptake throughout the growing season. The fine particle size ensures uniform distribution of nutrients throughout the soilless media.

### Sapphire: GAL-Xe Aluminum Sulfate (90 days)

Sapphire is a slow release polymer coated aluminum sulfate, with 15% Aluminum (Al) and 12% Sulfur (S), designed to increase the development of the blue flower color in blue Hydrangeas.

### GAL-Xe Iron Sulfate (180 days)

GAL-Xe Iron Sulfate is a slow release polymer coated iron sulfate supplying continuous supplemental iron, with 28% Iron (Fe), and 17% Sulfur (S), needed for maintaining green color.

## Dimension® 270G Turf and Ornamental Landscape Preemergent Herbicide

This micro sized granular pre-emergent herbicide provides excellent control of most broadleaf weeds and annual grasses found in turf, landscape, field grown and container ornamentals. This virtually dust free formulation is very cost effective when compared to other popular pre-emergent herbicides.

# TOPDRESS

## General Description:

These TOPDRESS products are recommended for all container crops that require supplemental and immediate supply of Nitrogen, Phosphorus and Potassium.

### 21-7-6 Cool Weather Special (3-4 months @ 70°F)

A high quality, professional 3-4 month controlled release fertilizer for CONTAINERS, BEDDING PLANTS and LANDSCAPE AREAS.

- Use where you want to promote a more rapid response during cooler temperatures.
- High iron produces dark green foliage to hold fall and winter color for early spring sales.
- SAFE source of nitrogen from GAL-Xe.

### 21-5-6 Super Iron Topdress (4-5 months @ 70°F)

Use APEX® 21-5-6 Super Iron Topdress as a high quality, professional controlled release fertilizer for top dressing, broadcast or incorporation application of trees and shrubs.

- Use as a year-round top dress fertilizer.
- Use in the fall to hold foliage and winter color.
- High iron produces dark green foliage to hold fall and winter color for early spring sales.

### 22-6-7 Full Season Plus Iron (6-7 months @ 70°F)

Apex 22-6-7 Full Season Plus Iron contains staged release nutrients with higher amounts of iron.

- Apply in the spring to provide season long nutrition.
- Higher amounts of iron to help maintain green color.

### 22-6-10 Full Season Topdress (6-7 months @ 70°F)

Use 22-6-10 Full Season Topdress that contains staged release nutrients to provide safe and season long nutrition.

- Use in spring to provide season long nutrition for most deciduous trees and shrubs.
- Provides an additional source of slow release Potassium, Magnesium and Sulfur to help maintain color and plant vigor throughout growing season.



THE ONE TO GROW WITH

APEX® Evergreen				APEX® NPK									NPK MINIS	APEX® NPK Max			
1969 Conifer	21-78 Evergreen	20-88 Evergreen		14-14-14 NPK	19-6-13 NPK	19-6-12 NPK	18-6-12 NPK	13-13-13 NPK	17-6-12 NPK	16-5-11 NPK	18-6-12 NPK MINIS	17-5-11 NPK Max	16-5-10 NPK Max	15-5-10 NPK Max	14-5-10 NPK Max		
Longevity in Months				Longevity in Months									Longevity in Months				
50°F	14-16	10-12	14-16	50°F	6-7	8-9	11-12	14-15	14-15	16-18	19-21	5-6	50°F	5-6	8-9	12-13	15-16
60°F	12-14	9-10	12-14	60°F	5-6	7-8	9-10	12-13	12-13	14-15	16-18	4-5	60°F	4-5	7-8	10-11	13-14
70°F	10-12	8-9	10-12	70°F	3-4	5-6	7-8	10-11	10-11	12-13	14-16	3-4	70°F	3-4	5-6	8-9	11-12
80°F	8-10	7-8	8-10	80°F	2-3	4-5	5-6	8-9	8-9	10-11	12-14	2-3	80°F	2-3	4-5	6-7	9-10
Breakdown of Analysis (%)				Breakdown of Analysis (%)									Breakdown of Analysis (%)				
Total N	19.00	21.00	20.00	Total N	14.00	19.00	19.00	18.00	13.00	17.00	16.00	18.00	Total N	17.00	16.00	15.00	14.00
NH <sub>4</sub>	3.60	5.20	4.80	NH <sub>4</sub>	8.10	10.10	10.10	9.60	7.62	8.99	8.50	9.60	NH <sub>4</sub>	9.00	8.50	8.00	8.00
NO <sub>3</sub>	2.30	4.20	3.00	NO <sub>3</sub>	5.90	8.90	8.90	8.40	5.48	8.01	7.50	8.40	NO <sub>3</sub>	8.00	7.50	7.00	6.00
Urea	13.10	11.60	12.20	P <sub>2</sub> O <sub>5</sub>	14.00	6.00	6.00	6.00	13.00	6.00	5.00	6.00	P <sub>2</sub> O <sub>5</sub>	5.00	5.00	5.00	5.00
P <sub>2</sub> O <sub>5</sub>	6.00	7.00	8.00	K <sub>2</sub> O	14.00	13.00	12.00	12.00	13.00	12.00	11.00	12.00	K <sub>2</sub> O	11.00	10.00	10.00	10.00
K <sub>2</sub> O	9.00	8.00	8.00	S	5.00	4.00	4.00	4.00	5.00	4.00	4.00	4.00	Mg	1.00	1.00	1.10	0.90
Mg	2.00	0.50	0.50										S	5.00	5.00	6.00	5.50
S	5.00	2.50	2.50										Cu	0.08	0.08	0.05	--
Cu	0.05	0.05	0.05										Fe	0.45	0.45	0.55	0.55
Fe	0.20	1.55	1.40										Mn	0.10	0.10	0.06	0.06
Mn	0.05	0.05	0.05										Mo	0.0005	0.0005	-	--
Mo	0.0006	0.0006	0.0006										Zn	0.05	0.05	0.05	0.05
Zn	0.05	0.05	0.05														

APEX® NPK Plus				
19-6-10 NPK Plus	16-5-9 NPK Plus	22-6-8 NPK Plus	22-6-12 NPK Plus	
Longevity in Months				
50°F	7-8	8-9	11-12	11-12
60°F	6-7	7-8	9-10	9-10
70°F	4-5	6-7	8-9	8-9
80°F	3-4	5-6	6-7	6-7
Breakdown of Analysis (%)				
Total N	19.00	16.00	22.00	22.00
NH <sub>4</sub>	7.40	8.50	6.30	2.00
NO <sub>3</sub>	6.00	7.50	5.60	0.80
Urea	5.60	0.00	10.10	19.20
P <sub>2</sub> O <sub>5</sub>	6.00	5.00	6.00	6.00
K <sub>2</sub> O	10.00	9.00	8.00	12.00
Mg	0.50	0.50	0.50	0.50
S	4.70	4.00	3.00	4.00
Cu	0.05	0.05	0.05	0.05
Fe	1.50	1.60	0.20	0.20
Mn	0.05	0.05	0.05	0.05
Mo	0.0005	0.0006	0.0006	0.0005
Zn	0.05	0.05	0.05	0.05

APEX® Specialty						
Micro-Nutrient	0-46-0 Monodical	12-4-12 Palm K	21-2-7 Low P	38-0-0 PrePlant	Sapphire Alum Sul	
Longevity in Months						
50°F	N/A	N/A	5-6	11-12	3-5	3-5
60°F	N/A	N/A	4-5	9-10	3-5	3-5
70°F	N/A	N/A	3-4	8-9	3-5	3-5
80°F	N/A	N/A	2-3	6-7	3-5	3-5
Breakdown of Analysis (%)						
Total N	-	-	12.00	21.00	38.00	-
NH <sub>4</sub>	-	-	5.00	3.50	-	-
NO <sub>3</sub>	-	-	-	3.00	-	-
Urea	-	-	7.00	14.50	38.00	-
P <sub>2</sub> O <sub>5</sub>	-	46.00	4.00	2.00	-	-
K <sub>2</sub> O	-	-	12.00	7.00	-	-
S	13.00	-	13.00	5.50	12.00	12.00
Ca	2.40	15.00	-	-	-	-
Mg	1.20	-	3.00	1.90	-	-
Fe	13.00	-	3.75	1.70	-	-
Mn	1.50	-	0.20	0.05	-	-
Mo	0.0005	-	0.0006	0.0006	-	-
Zn	1.00	-	0.05	0.05	-	-
Cu	0.25	-	0.05	0.05	-	-

APEX® Topdress				
21-7-6 CWS	21-5-6 Super Iron	22-6-7 FS Plus Iron	22-6-10 Full Season	
Longevity in Months				
50°F	5-6	6-7	8-9	8-9
60°F	4-5	5-6	7-8	7-8
70°F	3-4	4-5	6-7	6-7
80°F	2-3	3-4	5-6	5-6
Breakdown of Analysis (%)				
Total N	21.00	21.00	22.00	22.00
NH <sub>4</sub>	1.70	2.00	2.50	2.50
NO <sub>3</sub>	-	-	1.00	1.00
Urea	19.30	19.00	18.50	18.50
P <sub>2</sub> O <sub>5</sub>	7.00	5.00	6.00	6.00
K <sub>2</sub> O	6.00	6.00	7.00	10.00
Mg	0.50	0.50	7.00	1.50
S	2.00	2.00	4.30	6.00
Cu	0.05	0.05	0.05	0.05
Fe	6.00	6.00	6.00	0.60
Mn	0.05	0.05	0.05	0.05
Mo	0.0005	0.0005	-	0.0006
Zn	0.05	0.05	0.05	0.05