



# PUSH

## 4-0-1

PUSH 4-0-1 is a complete plant stress guard product promoting health and improved rooting for high maintenance turfgrass.

### PRODUCT DESCRIPTION/ BENEFITS

- PUSH 4-0-1 is a powerful combination of highly concentrated sea plant extracts, humates, and wetting agents along with key nutrients.
- PUSH 4-0-1 enhances the plant's ability to fight stress and maintain proper metabolic functions.
- PUSH 4-0-1 can be used effectively as a fertilizer for turf, ornamentals, and trees. Uses include foliar applications, soil drenches, and deep root feeding.
- When applied regularly, turf plants will maintain more balanced growth and remarkable stress tolerance under difficult conditions including high temperatures, extreme drought, high salinity, low mowing, high traffic, herbicide applications, and disease pressures.

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	4.0%
3.25% Urea Nitrogen (N)	
0.75% Nitrate Nitrogen (N)	
Soluble Potash (K <sub>2</sub> O) .....	1.0%
Iron (Fe) .....	0.5%
0.5% Chelated Iron (Fe)	
Manganese (Mn).....	0.2%
0.2% Chelated Manganese (Mn)	

Derived from: urea, potassium nitrate, iron EDTA, manganese EDTA

### NON PLANT FOOD INGREDIENTS

Humic Acid .....	4%
Alkyl Block Polymer .....	20%
Seaweed Extract .....	4%

Derived from: humic substances, non-ionic surfactant, Ascophyllum nodosum

### GENERAL USE GUIDE

This product can be tank mixed with most fertilizers and pest control products. A compatibility test should be performed prior to use.

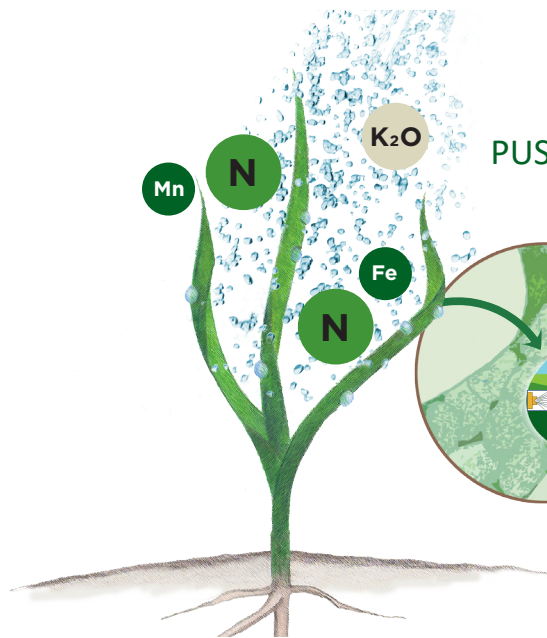
<b>Golf Course</b>	<p><b>Green and Tees:</b> Apply 2.0 to 4.0 fl oz per 1,000 sq ft. Repeat application every 7 to 14 days. Irrigate into root zone within 24 to 48 hours for best result.</p> <p><b>Fairways:</b> Apply 3.0 to 6.0 fl oz per 1,000 sq ft. Repeat application every 2 to 4 weeks. Irrigate into root zone within 24 to 48 hours for best result.</p> <p><b>High Stress Areas:</b> Apply 6.0 to 12.0 fl oz per 1,000 sq ft. Irrigate enough to ensure one inch of penetration into root zone. Repeat application every 2 to 4 weeks, or as conditions warrant.</p>
<b>Professional Lawn Care</b>	<p><b>Newly Seeded Lawns:</b> Apply 6.0 fl oz per 1,000 sq ft. Use sufficient water for uniform coverage. Repeat application after germination to encourage deeper root formation.</p> <p><b>Established Lawns:</b> Apply 3.0 to 6.0 fl oz per 1,000 sq ft. Repeat application at 3.0 fl oz per 1,000 sq ft monthly during growing season.</p> <p><b>Hydro Seeding:</b> Apply 6.0 fl oz per 1,000 sq ft or 2.0 gal per acre at seeding. Repeat application after germination to encourage deeper root formation.</p>
<b>Sod Farms</b>	<p><b>Sod Installation:</b> Apply 1.0 to 2.0 gal per acre. Repeat application monthly throughout the growing season.</p> <p><b>Sod Farms:</b> Apply 1.0 gal per acre after seeding. Application at 1.0 gal per acre prior to cutting reduces shipping stress.</p>
<b>Trees and Ornamental</b>	<p><b>Annuals, Perennials, and Ornamentals:</b> Spray soil and plants with a solution of 1 to 2 tsp per gal of water. Water plants thoroughly after application.</p> <p><b>Planting Trees and Shrubs:</b> Use 1 or 2 qt per 100 gal of water. Apply as a soil drench 2 to 5 gal per plant. May repeat in 30 days.</p> <p><b>Feeding Trees and Shrubs (Injection):</b> Use 1 to 2 qt per 100 gal of water. Inject over 3,000 sq ft area.</p> <p><b>Soil Drench and Transplants:</b> Apply 2.5 to 5.0 fl oz per gal of water. Thoroughly drench area.</p>

### PRODUCT INFORMATION:

Weight per Gallon: 9.2 lbs  
pH: 6.5

**PUSH 4-0-1 is intended as a supplement to a regular fertilization program and may not by itself provide all the nutrients normally required by plants**

*NOTICE: Ramy Turf Products, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Ramy Turf Products, LLC. will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to Ramy Turf Products, LLC.*



PUSH is the ultimate foliar nutrient system.

PUSH technology drives nutrients into cells quickly addressing plant needs.

Natural humectants allow re-wetting of nutrients for extended foliar uptake.

**IMMEDIATE VISUAL RESULTS + PLANT STRESS ELIMINATION = FOLIAR-PAK®**

**PUSH 4-0-1 AT WORK**

- Plant derived organic and amino acids are remarkably effective nutrient chelators and facilitators, assuring nutrients are used more efficiently inside the plant.
- Vitamins, sugars, and polysaccharides provide energy sources for plants and microbes. They are easily converted into key structural and biochemical components especially chlorophyll, auxins, proteins, and antioxidants.
- Humic and fulvic acids improve soil biological activity by providing microbial food sources leading to soil structure improvement, increased soil moisture holding capacity, and stimulation of plant root initiation.
- The highly developed plant hormone package increases plant performance under environmental stresses such as drought, heat, salinity, high pH, low mowing conditions, and stresses due to herbicide applications, insect, or disease infestations.
- Cytokinins boost plant production by stimulating phytoalexin production, delaying senescence, stimulating growth, increasing photosynthesis, and increasing rooting.

**WHEN APPLIED REGULARLY, PUSH WILL:**

- Increase stress tolerance
- Promote root growth
- Increase color and quality
- Improve turf density
- Enhance nutrient uptake
- Reduce the need for watering
- Improve seed germination
- Improve Soil texture
- Increase biotic activity in the soil

**PUSH COMPONENTS INCLUDE:**

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| <p><b>Nutrient Package:</b></p> <ul style="list-style-type: none"> <li>• Urea</li> <li>• Potassium</li> <li>• Iron</li> <li>• Manganese</li> </ul> <p><b>Bio Stimulants:</b></p> <ul style="list-style-type: none"> <li>• Humic Acids</li> <li>• Fulvic Acids</li> <li>• Cytokinins</li> <li>• Auxins</li> </ul> | <p><b>Seaweed Extract Includes:</b></p> <ul style="list-style-type: none"> <li>• Dozens of trace elements</li> <li>• All essential plant nutrients</li> <li>• Vitamins, sugars, polysaccharides</li> <li>• Proper ratios of the auxins, cytokinins</li> <li>• Betaines, oligosaccharides</li> <li>• Organic acids, amino acids</li> </ul> <p><b>Surfactant:</b></p> <ul style="list-style-type: none"> <li>• Alkyl Block Polymer</li> </ul> |
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