



NatureShield
ALL-NATURAL PEST REPELLANT

FORMULA

2+
16 4 4

LiquidLife™

PROFESSIONAL SERIES



LIQUIDLIFE FORMULA 2+

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	16.0%
8.0% Urea Nitrogen	
4.0% Nitrate Nitrogen	
4.0% Ammoniacal Nitrogen	
AVAILABLE PHOSPHATE (P₂O₅)	4.0%
SOLUBLE POTASH (K₂O)	4.0%
Derived from: Urea Ammonium Nitrate, Phosphoric Acid, Potassium Hydroxide	

NON-PLANT FOOD INGREDIENTS

BIO-STIMULANT	7.0%
NATURE SHIELD	20%

BIONATRA+ Stabilized and oxygenated carbohydrates, seaweed, raw sugar cane molasses, humates, kelp, enzymes, chelated minerals, mycorrhiza, fulvic and amino acids and naturally occurring soil bacteria and fungi.

ALL-PURPOSE BLEND

Product Description

Pro Formula 2+ (F2+) is a broad spectrum all purpose fertilizer with a 4-1-1 NPK ratio plus American Hydro Systems's eco-friendly pest control product NatureShield. This versatile blend is suited for both cool and warm season grasses as well as trees, shrubs, and ornamentals in soils with a neutral pH. F2+ combines two forms of nitrogen: ammonium nitrate, for quick absorption and green up and urea for prolonged nitrogen availability and microbial mineralization. Potassium provides strength to the plants while Phosphorus provides essential building blocks for root development and budding. F2+ is optimized for slow feed application through the ProFeeder but can also be used in spray rigs, hose end sprayers, and other fertigation devices.

F2+ includes the botanical ingredients garlic, cinnamon, castor and cedar effectively repel a broad spectrum of insects including mosquitoes, ants and roaches.

Product Specifications

PACKAGING Liquid concentrate - 1 gallon, 2.5 gallon, 275 gallon tote.

DENSITY 1.27@ 20C

WEIGHT 1 Gallon 10.6 lbs.

2.5 Gallons 27.5 lbs.

275 Gallon Tote 3025 lbs.

MACRONUTRIENTS Nitrogen (N), Phosphorus (P²O⁵), Potassium (K²O)

MICRONUTRIENTS Trace amounts of

COVERAGE See Application Guide (reverse side)

Pro Series Difference

LiquidLife Formulas are advanced liquid fertilizers designed for use by landscape professionals to achieve outstanding results in plant nutrition. In addition to premium macro and micro nutrients, Pro Series Formulas contain BioNatra+, a complex organic bio-stimulant containing humates, microbes, and enzymes that increases healthy microbial activity in the soil.

Microbes accelerate the breakdown and conversion of organic matter into humus, the most natural source of plant nutrition. Microbes also assist plants in nutrient uptake, help to make essential minerals available, and produce antibiotics to prevent root disease. BioNatra+ also helps to encapsulate Nitrogen molecules to minimize volatilization and leaching, and improves soil structure.

All LiquidLife Formulas can be applied in conjunction with most herbicides and pesticides, and will not burn plant material when properly applied. Each LiquidLife product is optimized to be used with the ProFeeder to deliver professional results.



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ALL-PURPOSE BLEND

FIRST AID In case of contact with eyes, immediately flush with water for at least 15 minutes. In case of skin contact, flush with water. Seek immediate medical attention if irritation occurs. Remove and wash contaminated clothing before reuse. If swallowed give large amounts of water and induce vomiting unless unconscious. Seek immediate medical attention.

IN CASE OF SPILL Contain spill and maximize recovery. Keep spill out of water sources. Exercise caution in area of spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

PHYTOTOXICITY Plant and leaf injury may occur on some plants when not applied through an American Hydro Systems ProFeeder when certain weather and growing conditions are present.

DIRECTIONS FOR USE For best results apply Pro Formula 2+ through a ProFeeder. It may also be applied as a foliar spray application on all turfgrasses and ornamentals to enhance growth and quality, correct nutritional deficiencies and help plants rebound from stressful conditions. F2+ may be applied as a concentrate or diluted solution through an irrigation system or by ground application. Apply with sufficient water to achieve adequate plant coverage especially during periods of low humidity and high temperature to achieve the maximum benefit of foliar fertilization. F2+ is physically compatible with most plant protection chemicals. In the absence of published data, American Hydro Systems recommends testing for compatibility in all spray combinations by a simple jar test with appropriate concentrations. Care should be taken not to blend F2+ with highly acidic materials and materials containing a high level of free ammonia or formaldehyde. F2+ provides nitrogen for a wide variety of turfgrasses and ornamentals.

Monthly Application Rates	
Cool Season Grasses	19-38 oz per 1000 square feet
Warm Season Grasses	38-50 oz per 1000 square feet

COOL SEASON GRASSES Rates may vary from 1/4 to 1/2 pound of Nitrogen (23-38 fl.oz.), per 1000 square feet each month during the growing season for a total application rate not to exceed 3 pounds of N per year (1.75 gallons).

WARM SEASON GRASSES Rates may vary from 1/2 to 2/3 pound of N (38-50 fl.oz.) per 1000 square feet monthly, not to exceed 6 pounds of N per year (3.5 gallons).

TREES AND SHRUBS In the spring, apply F2+ after the frost is out of the ground, but before the tree has opened all its leaves. Suggested rates of application are 1.2 to 2.4 gallons of F2+ per thousand square feet annually. Apply so that the area below the tree canopy and an additional band 1/3 the canopy radius outside the canopy will be treated.

ORNAMENTALS & NURSERY STOCK Rates vary from 1/8 to 1/3 pound of N (9-23 fl.oz.) per 1000 square feet per month. Ornamental and nursery stock vary widely in growth habit and leaf texture. Some varieties are more susceptible to leaf or tip burn than others. It is recommended that the user apply a diluted solution to a few plants and observe for a week before general application is made.

MIXED APPLICATIONS 2+ may be applied in conjunction with a pesticide program. F1 will help stimulate new growth, aid recovery from insect and disease damage and enhance color. Suggested rate of 2+ is 4 ounces per gallon of spray solution.

SIZE	1 GALLON	2.5 GALLON	275 GALLON TOTE
PART #	F2-NS-1C	F2-NS-2.5C	F2-NS-275
CASE QUANTITY	4	2	1