



XL 20-20-20

SOLUBLE FERTILIZER CONCENTRATE

CHLORIDE-FREE GENERAL PURPOSE FORMULA

CONTAINS: CHELATE COMPLEX AND WETTING AGENTS FOR IMPROVED ABSORPTION

GUARANTEED ANALYSIS

Total Nitrogen (N) 20.0%

5.85% Nitrate Nitrogen

5.85% Ammoniacal Nitrogen

8.35% Water Soluble Urea Nitrogen

Avail Phosphate (P₂O₅) 20.0%

Soluble Potash (K₂O) 20.0%

Plant Nutrients derived from potassium nitrate, urea, ammonium phosphates and potassium phosphate.

Potential acidity equivalent to 560 lbs. calcium carbonate per ton.

XL 320 is a soluble fertilizer concentrate formulated to be dissolved in water and applied as a nutrient solution. XL 320 nutrient solution is immediately available to the roots and leaves of plants and thus provides simple and positive growth control.

METHOD OF USE > Conventional Method: Applying XL 320 nutrient solution to the root area at regular intervals during the growing season. The number of gallons applied each time is equivalent to a normal watering rate.

Constant Feeding: A refinement of the conventional method which has become increasingly popular because it avoids fluctuations in available plant food levels in the soil and produces more regular development and earlier harvests. With this method small quantities of XL 320 are fed with each watering in place of periodic feedings at conventional rate.

Foliar Feeding: Applying XL 320 nutrient solution in a fine spray to the foliage either alone or in conjunction with insecticides or fungicides. Foliar feeding is particularly valuable for supplementing other types of fertilization or for promoting growth during adverse soil, moisture or temperature conditions when other means would be ineffective or uneconomical.

APPLICATION > Conventional Method

Standard Dilution Table

XL 320	Gallons of Water	Area Treated
1 level tbs.	1	4 sq. ft.
5 level tbs.	5	20 sq. ft.
8 oz.	25	100 sq. ft.
2 lbs.	100	400 sq. ft.

GREENHOUSE USE > For roses, carnations, antirrhinum, chrysanthemums and foliage plant material, apply XL 320 at the standard dilution rate every 2–3 weeks during the growing season or as plants or soil tests indicate need. For tender plants such as begonias and Saint-Paulias, use half strength nutrient solutions every 2 weeks or as plants or soil tests indicate.

BULBS > Saturate soil or sand with XL 320 standard nutrient solution when planting and continue at monthly intervals or as needed.

TRANSPLANT USE > Drench soil around newly moved plants or shrubs with XL 320 standard nutrient solution to reduce shock.

VEGETABLE AND FLOWER GARDENS >

Apply at the standard dilution rate every 2 weeks during the growing season or as needed. It is preferable to make application when the soil is moist to assure maximum penetration to the roots.

SHADE AND FRUIT TREES > Inject with a tree feeding needle into the soil under the branch area, 5 gals. of XL 320 nutrient solution per inch of trunk diameter. Use 2-1/2 to 5 lbs. of XL 320 per 100 gals. of water depending on need and weather conditions.

Constant Feeding Method: When XL 320 is applied at every watering the dosage requirements will vary between 100 and 200 parts per million of NPK depending on soil requirements and plant growth desired. Normally 1/2 gal. of nutrient solution per sq. ft. is considered the correct coverage.

Constant Feeding Table: Inject amount of XL 320 per 10 gallons of concentrate

Ratio	100 ppm	150 ppm	200 ppm
1:50	2 lbs.	3 lbs.	4 lbs.
1:100	4 lbs.	6 lbs.	8 lbs.
1:150	6 lbs.	9 lbs.	12 lbs.
1:200	8 lbs.	12 lbs.	16 lbs.

Foliar Feeding Method: XL 320 is compatible with most common insecticides and fungicides including DDT, Lindane, Ferbam, Malathoin, Parathion, Methoxychlor, Sevin, Rotenone, Zineb and Maneb. It is not recommended for use with Arsenate of Lead, Bordeaux, Dinitro Compounds, Spray Lime or other highly alkaline materials. Because local Conditions, crops and available chemical differ so widely, a small scale test should always be made before undertaking large scale operations. Check with state or local agricultural authorities for assistance. When using XL 320 in combination with insecticides or fungicides always prepare first the solution or suspension of the chemicals and then add the XL 320 as the last ingredient. Apply immediately and use up the entire tankful at one time as prolonged standing could cause a chemical reaction. Foliar Feeding Dilution rate: 2 to 5 lbs. per 100 gallons of water. Make application when good drying conditions prevail and when soil moisture is adequate.

HOW TO USE XL 320 to prepare other ratio fertilizer concentrates:

To make 30-10-10: Mix 5 parts by weight of XL 320 with 1 part of nitrate of soda and 4 parts of 46% urea.

To make 18-30-5: Mix 3 parts by weight of XL 320 with 1 part of mono-ammonium phosphate (12-61-10).

To make 15-15-30: Mix 3 parts by weight of XL 320 with 1 part muriate of potash (62%)

25 LB.

The manufacturer disclaims all responsibility for damage to plants and equipment through the use of this product whether used in accordance with directions or not.

THE DOGGETT CORPORATION 30 CHERRY ST, LEBANON, NEW JERSEY 08833 1-800-448-1862 1 WWW.DOGGETTCORP.COM