

ASSURE 7-7-7

A Problem Solving Fertilizer

120 SGN 220 SGN

High Calcium – Magnesium – Iron

An Ideal Aerification - Planting Fertilizer

Nitrogen.....	7.00%
2.45% Ammoniacal N	
0.20% Water Soluble Organic N*	
4.35% Water Insoluble N *	
Available Phosphate, P2O5.....	7.00%
Soluble Potash, K2O.....	7.00%
Calcium, Ca	5.00%
Copper, Cu	0.20%
Iron, Fe	4.00%
1% Water soluble	
Total Magnesium, Mg.....	2.50%
2.0% Water Soluble	
Total Manganese, Mn	0.20%
0.1% Water Soluble Mn	
Total Sulfur, S.....	2.00%
2.00 % Sulfur, Combined	
Zinc, Zn	0.20%

Derived from: feather meal, potassium sulfate, monoammonium phosphate, calcium carbonate, urea, meat and bone meal, kelp meal, ferric oxide, magnesium oxide, manganese oxide, copper oxide, zinc oxide.

4.55% slow or controlled release nitrogen derived from feathermeal

Typical Spreader Settings:	7-7-7	
Lbs. N/1,000 sq.ft.	1/2.....	3/4.....
Sq.ft./50 lb. Bag	8,000.....	5,333.....
Sq. meter/22.7 Kg bag...745.....	496.....	372.....
Cyclone	5.....	6.....
Earthway Rotary	18.....	20.....
Lesco	K.....	L.....
PSB Priselawn	6.....	7.....
Scotts RX7	I.....	J.....
Scotts R.....	L.....	M.....

BROAD SPECTRUM INOCULANT: 66 STRAINS

Bacillus: 46 strains to include

Bacillus subtilis	Bacillus licheniformis
Bacillus megaterium	Bacillus pumulis
Bacillus azotoformans	Bacillus coagulans
Bacillus firmus	Bacillus amyloliquefaceans
Paenibacillus polymyxa	Paenibacillus durum
Bacillus azotoformans	Bacillus coagulans
Geobacillus stearotherophilus	

Endospore formers (survive in harsh environments)
Free living nitrogen fixers
Solubilize minerals & nutrients in soil profile
Enhance nutrient absorption
Enhance photosynthetic capacity
Produce plant regulatory compounds (growth promotion)

Pseudomonas: 6 Strains to include

Pseudomonas putida; Pseudomonas fluorescence
Pseudomonas aureofaceans
Provide increased resistance to abiotic stress
Produce plant regulatory compounds (growth promotion)
Enhance photosynthetic capacity
Free living nitrogen fixers

Streptomyces: 7 Strains to include

Streptomyces lydicus; Streptomyces griseus,
Streptomyces coelicolor
Prolific enzyme producers (nutrient solubilization)
Produce plant regulatory compounds (growth promotion)
Enhance soil structure.

Trichoderma: 7 Strains

Trichoderma reesei; Trichoderma hamatum;
Trichoderma harzianum
Solubilize phosphorous in the soil
Facilitate nutrient absorption
Provide increased resistance to abiotic stress

Microbial Nutrients

Dextrose 55.00 %, 10.00% Sucrose,
3.00 % Amino Acids **Amino Acids to include Methione,**
3.0 % Vitamin Blend (B Complex, Biotin),
2.50 % Natural Silica (Drying Agent)

Kelp Concentrate .25 lbs.per 1000 OR 10.8 lbs. per acre

Humic Acid, 15% conc. .25 lbs. per 1000 10.89 lbs. acre