TOMATO NUTRIENT RECIPES – CEAC TEACHING GREENHOUSE
2018 -2019 NEW

All recipes are for 200X concentrated nutrient stock solutions to be used with an injector system. Amounts are given in grams. Note: 2007-08 [Ca] in water = 49ppm.

NUTRIENT	1ST RECIPE	2ND RECIPE	3RD RECIPE		Micro ppm
Macro/Micro Tank (80 gallons total):					
KH_2PO_4	12,528g	12,528g	12,528g		
K_2SO_4	12,717g	13,126g	15,663g		
$MgSO_4$-$7H_2O$	40,167g	40,167g	40,167g		
H_3BO_3	138.4g	138.4g	138.4g		0.40
$MnSO_4$ * H_2O	104.1g	104.1g	104.1g		0.55
$CuSO_4$ * $5H_2O$	12.1g	12.1g	12.1g		0.05
Na_2MoO_4	7.6g	7.6g	7.6g		0.05
$ZnSO_4$-$7H_2O$	90.8g	90.8g	90.8g		0.33
Calcium/Iron Tank (80 gallons total):					
$Ca(NO_3)_2$	35,380g	38,567g	48,129g		
KNO_3	----	20,240g	29,216g		
$CaCl_2$	2,670g	2,670g	2,670g	Cl	25
Sprint/Fe chelate	1,211.2g	1,211.2g	1,211.2g 1,816.8g		2.0 3.0
Nitric Acid Tank (40 gallons total):					
Nitric Acid (69-70%)	2,732 ml	2,732 ml	2,732 ml		

Final macro-nutrient concentrations in parts per million (ppm) as well as pH & EC:

N	90ppm	145ppm	190ppm
P	47ppm	47ppm	47ppm
K	144ppm	276ppm	350ppm
Ca	160ppm	170ppm	200ppm
Mg	65ppm	65ppm	65ppm
S	120.5ppm	121.4ppm	101.8ppm
pH	6.0-6.3	6.0-6.3	6.0-6.3
EC	1.2 - 1.8mS/cm	2.1mS/cm	2.5mS/cm