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AMERICORE

INFORMATION AND USER GUIDE



AMERICORE
 HEAVILY FLOWERING
 0-18-26

GREENHOUSE GRADE WATER SOLUBLE CROP NUTRITION

GUARANTEED ANALYSIS	
Available Phosphorus (P ₂ O ₅)	18.000%
Soluble Phosphate (P ₂ O ₅)	18.000%
Ammonia Nitrogen (N)	2.000%
Ammonium Nitrogen (N)	0.000%
Barium	0.000%
Copper (Cu)	0.000%
Magnesium (Mg)	0.000%
Manganese (Mn)	0.000%
Zinc (Zn)	0.000%

Khemical NKH111
 Net Wt. 50 Pound (40/Pr)
 DANGER

AMERICORE
 VEGETATIVE
 8-14-26

GREENHOUSE GRADE WATER SOLUBLE CROP NUTRITION

GUARANTEED ANALYSIS	
Total Nitrogen (N)	8.000%
Ammonia Nitrogen (N)	2.000%
Ammonium Nitrogen (N)	0.000%
Barium	0.000%
Copper (Cu)	0.000%
Magnesium (Mg)	0.000%
Manganese (Mn)	0.000%
Zinc (Zn)	0.000%

Khemical NKH110
 Net Wt. 50 Pound (40/Pr)
 DANGER

AMERICORE
 Calcium Nitrate 13-0-0 PLUS 18 Ca

Derived from calcium nitrate trihydrate

Guaranteed Analysis

TOTAL NITROGEN (N)	13.0%
ELITE NITRATE NITROGEN	13.0%
CALCIUM (Ca)	18.0%

55 Pound (24.9 kg)

DIRECTIONS FOR USE:

STOCK TANK MIXING

STANDARD OPERATING PROCEDURES

Proper mixing and preparation of concentrated stock solutions is crucial for maintaining nutrient stability and consistency. Inconsistent EC or incorrect nutrient ratios from improperly mixed stock tanks can lead to nutrient deficiencies or toxicity.

This SOP covers best practices for stock solution mixing to support a well-balanced fertilizer program.

REQUIRED INPUTS

BAG 1



**Americore Vegetative
Blend 8-14-26**

Size: 50 Pound

SKU: NKH110

BAG 2



**Americore Heavily
Flowering Blend 0-18-26**

Size: 50 Pound

SKU: NKH111

BAG 3



**Americal Calcium
Nitrate**

Size: 50 Pound

SKU: NKH158

BAG 4



**Hygro-Cal Calcium
Chloride**

Size: 50 Pound

SKU : NKH100

INSTRUCTIONS

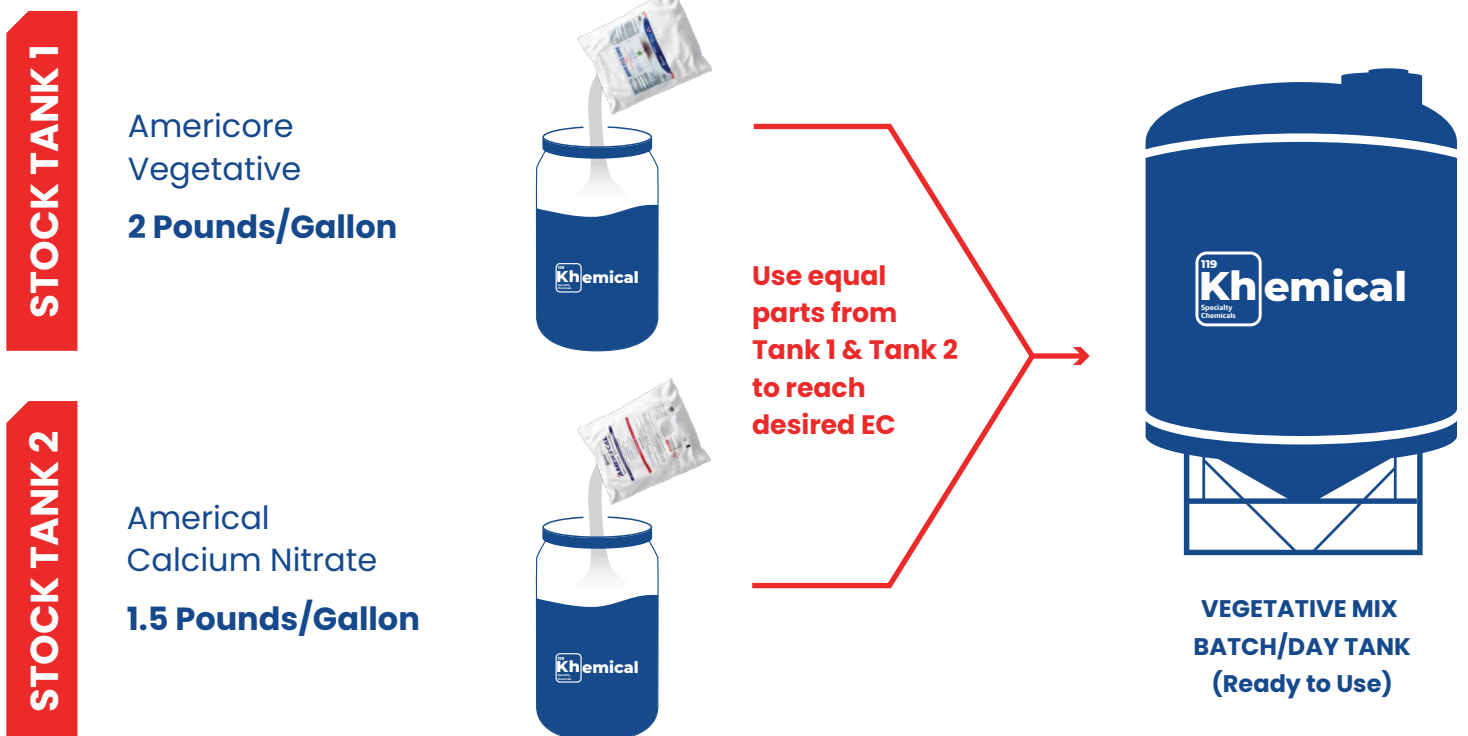
1. Fill stock tank to 70% of capacity
2. Add nutrients slowly and ensure adequate agitation/mixing
Tip: Ensure pH is not above 6.0 when adding Calcium Nitrate for increased solubility and reduced fallout.
3. Finish filling stock tanks to target volume
4. Use full bags if possible or measure fertilizers using a scale
5. Let solution settle for 20-30 minutes before use to allow any insoluble particulate to settle
6. There should be very little particulate or undissolved salts in tank
 - a. If there are larger quantities of undissolved salts a water test should be performed.
 - b. Undissolved particulate can be removed using inline filtration.
7. Check batch tanks or final solution EC/pH to ensure specifications are within desired range



STOCK TANK MIXING INSTRUCTIONS

STOCK TANK MIXING RATES		
VEG	STOCK TANK	CONCENTRATION
AMERICORE VEG	TANK 1	2 lbs/Gallon
AMERICAL	TANK 2	1.5 lbs/Gallon
RECIPE 1	STOCK TANK	CONCENTRATION
AMERICORE FLOWER	TANK 3	2 lbs/Gallon
AMERICAL	TANK 4	2 lbs/Gallon
RECIPE 2	STOCK TANK	CONCENTRATION
AMERICORE FLOWER	TANK 3	2 lbs/Gallon
AMERICAL	TANK 4	1 lbs/Gallon
HYGRO-CAL	TANK 4	0.1 lbs/Gallon

VEGETATIVE RECIPE



FLOWERING RECIPE 1: SIMPLE & EFFECTIVE FLOWERING

AMERICAL BASE (CALCIUM NITRATE)

STOCK TANK 3

Americore Heavily
Flowering Blend
2 Pounds/Gallon



STOCK TANK 4

Americal
Calcium Nitrate
2 Pounds/Gallon



SEE
FEED CHART
(PAGE 7)



**HEAVILY FLOWERING
BATCH/DAY TANK
(Ready to Use)**

FLOWERING RECIPE 2: HEAVILY FLOWERING w/ Nitrogen Optimization

AMERICAL BASE + HYGRO-CAL (CALCIUM NITRATE + CALCIUM CHLORIDE)

STOCK TANK 3

Americore Heavily
Flowering Blend
2 Pounds/Gallon



STOCK TANK 4

Americal
Calcium Nitrate
1 Pound/Gallon

+ Khemical Hygro-Cal
Calcium Chloride
0.1 Pound/Gallon



Use equal
parts from
Tank 3 & Tank 4
to reach
desired EC



**HEAVILY FLOWERING
BATCH/DAY TANK
(Ready to Use)**

STOCK TANK CONCENTRATIONS

VEGETATIVE PHASE



TANK 1

Americore Vegetative
2 Pounds/Gallon

TANK 2

Americal Calcium Nitrate
1.5 Pounds/Gallon

FLOWERING PHASE



TANK 3

Americore Heavily Flowering Blend 2 Pounds/Gallon

TANK 4

OPTION 1

Americal Calcium Nitrate 2 Pounds/Gallon

OPTION 2

Americal Calcium Nitrate 1 Pound/Gallon

Khchemical Hygro-Cal Calcium Chloride 0.1 Pound/Gallon

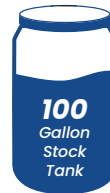
GUIDELINES

Instructions for making 100 Gallon Stock Tanks (Recipe 2)



STOCK TANK 1

Americore Vegetative
Mix in 200 pounds of Americore
Vegetative



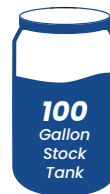
STOCK TANK 2

Americal Calcium Nitrate
Mix in 150 pounds of Americal



STOCK TANK 3

Americore Heavily Flowering Blend
Mix in 200 pounds of Americore
Heavily Flowering Blend



STOCK TANK 4

OPTION 1

Americal Calcium Nitrate
Mix in 200 pounds of Americal

OPTION 2

Americal Calcium Nitrate
Mix in 100 pounds of Americal
Hygro-Cal Calcium Chloride
Mix in 10 pounds of Hygro-Cal

Instructions for reaching target EC levels to: Guidelines for HPS and LED Lighting



HPS growers commonly look for an EC value of 3.0

LED growers commonly look for an EC value of 3.5 to 4.0

FEED CHARTS

AMERICORE VEG

Low

High

EC	PPM (500)	PPM (700)	Americore Veg 8-14-26 (g/gal)	Americal Calcium Nitrate (g/gal)	Injection Rate (mL/gal)
0.5	250	350	1.0	0.8	4.3
1.0	500	700	2.0	1.5	8.5
1.5	750	1050	3.0	2.3	13
2.0	1000	1400	4.0	3.0	17
2.2	1100	1540	4.4	3.3	19
2.4	1200	1680	4.8	3.6	20.5
2.5	1250	1750	5.0	3.8	21.5
2.6	1300	1820	5.2	3.9	22
3.0	1500	2100	6.0	4.5	25.5
3.2	1600	2240	6.4	4.8	27
3.5	1750	2450	7.0	5.3	30
4.0	2000	2800	8.0	6.0	34

AMERICORE FLOWER RECIPE 1: SIMPLE & EFFECTIVE

(CALCIUM NITRATE BASE)

Low

High

EC	PPM (500)	PPM (700)	Americore Flowering 0-18-26 (g/gal)	Americal Calcium Nitrate (g/gal)	Americore Injection Rate (mL/gal)	Americal Injection Rate (mL/gal)
0.5	250	350	1.0	0.7	4	2
1.0	500	700	2.0	1.4	9	6
1.4	700	980	3.0	2.0	14	8
2.2	1100	1540	5.0	3.1	23	14
2.6	1300	1820	6.0	3.6	27	16
2.8	1400	1960	6.5	3.9	30	18
3.0	1500	2100	7.0	4.2	32	19
3.5	1750	2450	8.25	4.9	37	22
4.0	2000	2800	9.5	5.6	43	26

Note: Feed Chart data assumes Reverse Osmosis water

AMERICORE FLOWER RECIPE 2: NITROGEN OPTIMIZATION (CALCIUM NITRATE BASE + CALCIUM CHLORIDE)

Low
High

EC	PPM (500)	PPM (700)	Americore Flowering 0-18-26 (g/gal)	Americal Calcium Nitrate (g/gal)	Hygro-Cal (g/gal)	Injection Rate (mL/gal)
0.5	250	350	1.0	0.5	0.05	4
1.0	500	700	2.0	1.0	0.10	9
1.4	700	980	3.0	1.5	0.15	13
2.2	1100	1540	5.0	2.50	0.25	21
2.6	1300	1820	6.0	3.0	0.30	26
2.8	1400	1960	6.5	3.25	0.33	28
3.0	1500	2100	7.0	3.5	0.35	30
3.5	1750	2450	8.25	4.13	0.41	35
4.0	2000	2800	9.5	4.75	0.48	41

TANK 1



AMERICORE VEGETATIVE

8-14-26

@ 2 POUNDS/GALLON

TANK 2



TANK 4



AMERICAL CALCIUM NITRATE 13-0-0
@ 1 POUND/GALLON

HYGRO-CAL CALCIUM CHLORIDE
@ 0.1 POUND/GALLON

Derived from potassium sulfate, monoammonium phosphate, potassium nitrate, magnesium sulfate, sodium borate, iron EDTA, manganese EDTA, sodium molybdate, and zinc EDTA. Information regarding the contents and levels of metals in this product is available on the internet at: www.chemical-america.com/greenhouse-grade-water-soluble-crop-nutrition.html

FLORIDA APPLICATIONS

We recommend that you follow the Florida Green Industries BMP's at <https://www.flrules.org/gateway/reference.asp?No=Ref-04706>. We recommend that you follow the Florida Golf Course BMP's at <https://www.flrules.org/gateway/reference.asp?No=Ref-04702>

WARNING

This fertilizer contains boron. Its use on any crops or under conditions other than those recommended may result in serious injury to the crops.

CAUTION

The application of fertilizing materials containing molybdenum may result in forage crops containing levels of molybdenum which are toxic to ruminant animals.

DIRECTIONS FOR USE: FOR COMMERCIAL GROWERS ONLY

This product contains Boron, Copper, Iron, Magnesium, Manganese, Molybdenum, and Zinc. Misuse may prove harmful. Do not use with highly alkaline spray materials, Bordeaux or spray oils. Always add Americore Vegetative 8-14-26 to spray mixture as the first ingredient.

PRECAUTIONARY STATEMENTS

- Store locked up.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- If exposed or concerned, get medical advice/attention.
- Wear protective gloves and clothing.
- Remove contaminated clothing and wash before re-use.
- Do not breathe dusts.
- Use only in well-ventilated area
- Call poison control or seek medical attention if you feel unwell.
- Wash thoroughly after handling.

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AMERICORE

VEGETATIVE

8-14-26

GREENHOUSE GRADE WATER SOLUBLE CROP NUTRITION

GUARANTEED ANALYSIS

Total Nitrogen (N)	8.000%	Iron (Fe)	0.300%
3% Ammoniacal Nitrogen 5% Nitrate Nitrogen		0.30% Chelated Iron (Fe)	
Available Phosphate (P ₂ O ₅)	14.000%	Manganese (Mn)	0.100%
Soluble Potash (K ₂ O)	26.000%	0.10% Chelated Manganese (Mn)	
Magnesium (Mg)	2.800%	Molybdenum (Mo)	0.010%
Boron (B)	0.050%	Zinc (Zn)	0.030%
Copper (Cu)	0.018%	0.03% Chelated Zinc (Zn)	
0.018% Chelated Copper (Cu)			



119
Chemical
 Specialty
 Chemicals

NKH110

Net Wt.

50 Pound (40/Pt)

DANGER

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. CAUSES SERIOUS EYE DAMAGE, SKIN AND RESPIRATORY IRRITATION.



FIRST AID

If inhaled: Move to fresh air and keep comfortable, seek medical attention if unwell.
If on skin: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
If in the eyes: Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do - continue rinsing and seek medical attention.
If swallowed: Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. CALL POISON CONTROL and seek medical attention.

STORAGE AND USE

Store in a clean, dry place. • Reseal opened bag by folding top down and securing. • Use only clean, dry spreaders. • Do not leave unused product in spreaders.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

LEGAL RIGHTS

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

LOT CODE





Khchemical
WWW.KHEMICAL.COM

AMERIGRO CAL
Calcium Chloride HI-94 Prills
34% Calcium

50 POUNDS
NET WT 50 LB (22.68 KG)

• Type S • Grade 3 • Class B
ASTM D-99-93 | AASHTO M144-86

WARNING
Harmful if swallowed.
Causes serious eye irritation.

AMERICORE
HEAVILY FLOWERING
0-18-26
GREENHOUSE GRADE WATER SOLUBLE

QUARANTEED ANALYSIS

Available Phosphorus (P ₂ O ₅)	18.000%	Total Nitrogen (N)	13.000%
Soluble Phosphate (P ₂ O ₅)	18.000%	Ammonia Nitrogen (N)	13.000%
Water Soluble Phosphate (P ₂ O ₅)	18.000%	Ammonium Nitrogen (N)	0.000%
Sulfur (S)	0.000%	Magnesium (Mg)	0.000%
Boron (B)	0.000%	Manganese (Mn)	0.000%
Copper (Cu)	0.000%	Zinc (Zn)	0.000%
Iron (Fe)	0.000%		

Net Wt: 50 Pound (40 Prt)

AMERICORE
VEGETATIVE
8-14-26
GREENHOUSE GRADE WATER SOLUBLE CROP NUTRITION

QUARANTEED ANALYSIS

Total Nitrogen (N)	13.000%	Iron (Fe)	0.000%
Ammonia Nitrogen (N)	13.000%	Manganese (Mn)	0.000%
Soluble Phosphate (P ₂ O ₅)	18.000%	Magnesium (Mg)	0.000%
Water Soluble Phosphate (P ₂ O ₅)	18.000%	Zinc (Zn)	0.000%
Sulfur (S)	0.000%		
Boron (B)	0.000%		
Copper (Cu)	0.000%		
Iron (Fe)	0.000%		

Net Wt: 50 Pound (40 Prt)

Khchemical
WWW.KHEMICAL.COM

AMERICORE
Calcium Nitrate 13-0-0 PLUS 18
No Added Ammonium Fertilizer Greenhouse

For use as a fertilizer in greenhouses and for agricultural crops

Guaranteed Analysis:
TOTAL NITROGEN (N) 13.00%
13.0% NITRATE NITROGEN
CALCIUM (Ca) 18.00%
Derived from calcium nitrate trihydrate
MANUFACTURED IN AMERICA

55 Pound (24.9 kg)

DIRECTIONS FOR USE: