Magruder Fertilizer Check Sample 190511
SAFETY DATA SHEET

This sample has been prepared for laboratory analysis by grinding to a powder.
This SDS applies to the original fertilizer as received from the manufacturer.

Section 1 – IDENTIFICATION

PRODUCT IDENTIFIER:	SymTRX™ Organic-Complexed Multi-Nutrients
OTHER MEANS OF IDENTIFICATION:	Organic Complexed Ammonium Sulfate and Ammonium Iron Sulfate, Ammonium Phosphate, Ammonium Sulfate, Ammonium Ferrous Sulfate, Diammonium Sulfate, with Organic Content from Municipal Biosolids, Food Waste Digestate and/or Animal Residuals, A-701, A-702, A-938, BP212, H6N204S, ACC01410
RECOMMENDED USE /	For use as a multi-nutrient fertilizer to be applied to commercial agriculture.
RESTRICTIONS ON USE:	None – This is an USEPA Exceptional Quality product pursuant to CFR Title 40 Part 503
MANUFACTURER:	Anuvia Plant Nutrients 6751 West Jones Avenue Zellwood, FL 32798 352-720-7070
EMERGENCY PHONE NUMBER	**For Hazardous Materials Incident** **Spill, Leak, Fire, Exposure, or Accident** **Call CHEMTREC Day or Night** **1-800-424-9300 / +1 703-527-3887 CCN825876**

Section 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION:	Not classified
SIGNAL WORD:	None
HAZARD STATEMENTS:	None
PICTOGRAM:	
PRECAUTIONARY STATEMENTS:	None
UNCLASSIFIED HAZARDS:	May cause skin, eye, and respiratory irritation. May be harmful if swallowed.
INGESTION:	Not generally considered toxic. If swallowed, irritation may develop in the mouth, esophagus, stomach, etc. The sulfate ion may cause purging.
PERCENTAGE OF INGREDIENTS WITH UNKNOWN TOXICITY:	None

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS:	Ammonium Sulfate 50-70% Ammonium Iron Sulfate 3-12% Iron 1-4% Potash 1-5% Organics 12-17%
OTHER CONTAMINANTS:	None
	The specific chemical identities and percentages of composition have been withheld as trade secrets.

Section 4 – FIRST AID MEASURES

EYE CONTACT:	Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention if eye irritation persists.
SKIN CONTACT:	Remove contaminated clothing and shoes. Wash affected area with soap or –mild detergent and large amounts of water until no evidence of chemical remains.
INHALATION:	Remove from exposure area to fresh air. If breathing has stopped perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention if you feel unwell.
INGESTION:	Treat symptomatically and supportively. Get medical attention if you feel unwell or if vomiting occurs. Keep head lower than hips to prevent aspiration.
MOST IMPORTANT SYMPTOMS, ACUTE AND DELAYED:	May cause eye irritation. May cause skin irritation. May cause respiratory irritation. May be harmful if swallowed.
IMMEDIATE MEDICAL ATTENTION REQUIRED:	None needed.

Section 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry chemical, carbon dioxide, water spray or regular foam (1990 Emergency Response Guidebook, DOT P 5800.5) For larger fires, use water spray, fog or regular foam (1990 Emergency Response Guidebook, DOT P 5800.5)
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	No acute hazard, move container from fire area if possible, avoid breathing vapors or dusts, keep upwind.
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Follow PPE requirements found in Section 8.

Section 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Follow PPE requirements in Section 8.
METHODS AND MATERIALS FOR CLEANING UP:	Work to contain spill and dispose of material in accordance with applicable regulations. Sweep or shovel material into labeled container.

Section 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Follow PPE requirements in Section 8.
CONDITIONS FOR SAFE STORAGE:	Store in a cool, dry, well-ventilated area away from strong oxidizers and keep out of reach of children and animals. See incompatibilities in Section 10.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS:	No occupational exposure limits established by OSHA, ACGIH or NIOSH.
APPROPRIATE ENGINEERING CONTROLS:	Use in a well-ventilated area.
RESPIRATORY PROTECTION:	Where dusty conditions require it, use a NIOSH/MSHA-approved dust respirator for needed protection.
EYES AND FACE:	Wear safety glasses with side shields, under dusty conditions, wear safety goggles. Do not wear contact lenses.
HANDS, ARMS, AND BODY:	To minimize skin contact, wear long-sleeve shirt, trousers and gloves for routine product handling or use. Wash hands after handling.
OTHER CLOTHING & EQUIPMENT:	Not generally required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Light brown rhombic crystals or granules
ODOR:	Slight chemical odor
ODOR THRESHOLD:	No data
PH:	4.5 – 7.0 (0.1 M Solution)
MELTING POINT:	455 F° (235 C°) Decomposes
BOILING POINT:	No data
FLASH POINT:	No data
EVAPORATION RATE:	No data
FLAMMABILITY:	Not flammable
FLAMMABILITY LIMITS:	Not applicable
VAPOR PRESSURE:	No data
VAPOR DENSITY:	No data
RELATIVE DENSITY:	0.84
SOLUBILITY (water):	76.7% @ 25°C
PARTITION COEFFICIENT:	No data
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	No data
VISCOSITY:	Not applicable

Section 10 – STABILITY AND REACTIVITY

REACTIVITY:	Reactions may occur with incompatible materials.
CHEMICAL STABILITY:	Stable under normal conditions of use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Not reported under normal conditions of use.

CONDITIONS TO AVOID:	Keep away from heat and incompatible materials.
INCOMPATIBLE MATERIALS:	Keep away from ammonium nitrate, potassium or sodium alloys, bases, chlorates, chlorine, copper and alloys, nitrates, strong oxidizers, potassium chlorate, potassium nitrate, and sodium hypochlorite.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition produces gaseous ammonia and oxides of sulfur. It may also produce toxic oxides of nitrogen.

Section 11 – TOXICOLOGICAL INFORMATION

ORGANIC COMPLEXED AMMONIUM SALTS:

Toxicity Data:	3000 mg/kg oral-rat LD50
Carcinogen Status:	None
Local Effects:	May be an Irritant – Inhalation, skin, and eye – A single dermal dose of 0.5 g elicited transient (reversible) mild dermal irritation in the rabbit.
Acute Toxicity Level:	May be harmful if swallowed
Target Effects:	No data available

At Increased Risk From Exposure to dust: Persons with Asthma

Delayed (Subchronic and Chronic) Effects: Eye irritation – a single ocular dose of 100 mg elicited transient (reversible) moderate ocular irritation in the rabbit. There was no evidence of skin sensitization seen in guinea pigs.

Section 12 – ECOLOGICAL INFORMATION

ECOTOXICITY:	No data
PERSISTENCE AND DEGRADABILITY:	No data
BIOACCUMULATIVE POTENTIAL:	No data
MOBILITY IN SOIL:	No data
OTHER ADVERSE EFFECTS:	No data

Section 13 – DISPOSAL CONSIDERATIONS

Dispose of product in accordance with applicable regulations. Keep out of any body of water. Sweep or shovel material into the labeled container.

Section 14 – TRANSPORT INFORMATION

Not regulated for transport.

Section 15 – REGULATORY INFORMATION

Follow all applicable regulations in your jurisdiction.

Section 16 – OTHER INFORMATION

DATE OF PREPARATION: August 8, 2017