



Hampton, IA

## Emulsifiable Concentrate Plants

### North EC Plant

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- Liquid formulation and filling of herbicide emulsifiable concentrates
- Four 6,000-gallon stainless steel computerized formulation vessels on load cells, all vessels jacketed with steam heating capabilities
- Production capacity of up to 60,000 gallons per 24 hours
- Ability to polish filter finished product
- Two fully automated 2.5-gallon bottle filling lines (one-gallon minimum container size)
- Packaging capacity of 10,000 to 20,000 gallons per filling line per eight-hour shift
- Automatic capping, heat induction sealing and labeling
- Video-Jet lot numbering of bottles and cartons
- Automatic case packing, hot melt glue sealing and palletizing

### South EC Plant

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- Liquid formulation and filling of herbicide emulsifiable concentrates
- Two 6,000-gallon stainless steel computerized formulation vessels on loadcells, all vessels jacketed with steam heating capabilities
- Production capacity of up to 24,000 gallons per 24 hours
- Ability to polish filter finished product
- Two semi-automated bottle filling lines specializing in small containers: pint, quart, half-gallon, one-gallon and 2.5-gallon container sizes
- Video-Jet lot numbering of bottles and cartons
- Hot melt glue and/or taping of cartons available

Special to both plants is a 500 sq. ft. steam-heated hot room for melting/heating solid/viscous materials.

## Bulk Liquid Storage and Terminaling

- Bulk tanks for lease
- Storage capacity: nearly 2.5 million gallons of indoor bulk liquid storage
- Electronic level indication
- Four bulk truck load-out stations (all covered and diked)
- Rail, tank truck & ISO container capabilities



## New Liquid Formulation & Packaging Plant

- Liquid formulation and filling of micronutrient concentrates
- 6,000-gallon stainless steel computerized formulation vessel on load cells
- Formulation vessel jacketed with heating and cooling capabilities
- Production capacity of up to 15,000 gallons per 24 hours
- Ability to polish filter finished product
- Fully automated 2.5-gallon bottle filling line (one gallon minimum container size)
- Packaging capacity of 6,000 to 10,000 gallons per eight-hour shift
- Automatic capping, heat induction sealing and labeling
- Video-Jet lot numbering of bottles and cartons
- Automatic case packing, tape sealing and labeling
- 200,000-gallon bulk storage with indoor truck scale and load out

### Pilot Unit

Scale up operations from lab scale batches that would simulate actual production in our larger systems (6,000 gallons) mix tanks.

#### EQUIPMENT

- 316 stainless steel, coned bottom Pilot mix tank with up to a 50-gallon capacity.  
Optimal batch size is 35 to 45 gallons
- Pilot tank is equipped with recirculation and a cleanout spray ball
- Sock filter housing that will 1 micron, 10 micron, 50 micron, and 100 micron filters
- Platform scale that is capable of 1,000.0 lbs. and displays 0.1 lb. accuracy
- Mixing system is a 3-blade propeller Lightnin mixer with a variable speed drive
- Both the recirculation pump and the mixer are connected to an analog to digital converter to measure amp draw

**For more information or to request a quote  
contact us toll-free at our St. Joseph, MO headquarters.**  
(888) 202-1706



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