Abstract

Fertilize is a vitamin enhanced with an eye to, that land fertility can be improved, so that crop become more productive. Manure given to the land, beside repair the circumstance of kimiawi land, also manure can be useful for circumstance of physical and biologis land. More than 90% from world production use the nitrogen manure in agriculture. Urea fertilizer, referred by a Nitrogen manure (N), owning nitrogen content 46%.

Process of this manure urea cover six phase. First phase is synthesis. Second phase is purification. Third phase is concentration. Fourth phase is granulation. Fifth phase is recovery. Sixth phase is Process Condensate Treatment.

This urea fertilizer plant operate during 24 hours per day with the year of service 330 day per year. Especial product yielded by in the form of urea fertilizer. Capacities produce the urea fertilizer plant is 930 ton per day.

Key word: urea, aces, NH₃ and CO₂.