

## CY-518 AGROCHEMICALS

**Nitrogen Fertilizers:** Urea, ammonium nitrate, ammonium sulfate, non-pressure nitrogen solutions, aqua ammonia, anhydrous ammonia, ammonium thiosulfate, sulfur-coated urea, urea-formaldehydes, Isobutyldinediurea(IBDU), polymer-coated urea.

**Phosphorus fertilizers:** Diammonium phosphate, mono-ammonium phosphate, ammonium polyphosphate, concentrated superphosphate.

**Potassium Fertilizers:** Potassium chloride, potassium sulfate, potassium-magnesium, sulfate, potassium nitrate.

**Sulfur, Calcium and Magnesium Fertilizers:** Micronutrient fertilizers, using micronutrient fertilizers, applying fertilizers, solubility of fertilizers: liquid vs. dry.

**Pesticides:** Insecticides (insects), fungicides (fungi), bactericides (bacteria), herbicides (weeds), acaricides, miticides (mites), rodenticides (rodents), formulation and toxicity of pesticides, synthetic pesticides, 1st, 2nd 3rd and 4th gen. future trends of pest control, control of weeds, household agrochemicals, micronutrients , plant growth regulators, Chlorinated, organophosphate, carbamate, parathyroid hazards associated with the use of agrochemicals and environmental aspects.

**Toxicity of Pesticides:** Oral exposure, dermal exposure, inhalation exposure, toxicity: carcinogenesis, teratogenesis, mutagenesis, blood disorders (hemotoxic effects), endocrine disruption, reproductive toxicity