

Criteria for Comparison	Chemical Fertilizers	Vermicompost	LR Agri Organic Compost
Macro nutrient contents	Mostly contains only one (N in urea) or at the most two (N & P in DAP) nutrients in any one type of chemical fertilizer	Contains all i.e. nitrogen (N), phosphorus (P) & potassium (K) in sufficient quantities	Contains all i.e. nitrogen (N), phosphorus (P) & potassium (K) in more sufficient quantities.
Secondary nutrient contents	Not available	Calcium (Ca), magnesium (Mg) & sulphur (S) is available in required quantities	Calcium (Ca), magnesium (Mg) & sulphur (S) is more available in required quantities
Micro nutrient contents	Not available	Zinc (Zn), boron (B), manganese (Mn), iron (Fe), copper (Cu), molybdenum (Mo) and chlorine (Cl) also present	Zinc (Zn), boron (B), manganese (Mn), iron (Fe), copper (Cu), molybdenum (Mo) and chlorine (Cl) also present
pH balancing	Disturb soil pH to create salinity and alkalinity conditions	Helps in the control of soil pH and checks the salinity and alkalinity in soil	Helps in the balancing of soil pH and checks the salinity and acidity in soil both ways automatically
EC correction	Creates imbalance in soil EC affecting nutrients assimilation	Helps in balancing the EC to improve plant nutrient adsorption	Helps in balancing the EC to improve plant nutrient adsorption altogether
Organic carbon	Not available	Very high organic carbon and humus contents improves soil characteristics	relatively higher organic carbon and humus contents than others improves soil characteristics
Moisture retention capacity	Reduces moisture retention capacity of the soil	Increases moisture retention capacity of the soil	Increases moisture retention capacity of the soil better than others
Soil Texture	Damages soil texture to reduce aeration	Improves soil texture for better aeration	Improves soil texture for better aeration & porosity both in lesser time
Beneficial bacteria & fungi	Reduces biological activities and thus the fertility is impaired	Very high biological life improves the soil fertility and productivity on sustainable basis	relatively very high & activated gram+ve microbes improves the soil fertility and productivity on more sustainable basis & in lesser period effectively with better yields
Plant growth hormones	Not available	Sufficient quantity helps in better growth and production	naturally produced by gram+ve microbes in relatively more sufficient quantity helps in better growth and production from very first crop cycle