

Conversion of common nutrients to fertilizer unit

1. Recommended N x 2.22 = Urea
2. Recommended P_2O_5 x 6.25 = Single Super Phosphate (SSP)
3. Recommended P_2O_5 x 2.22 = Di-ammonium phosphate (DAP)
4. Recommended K_2O x 1.67 = Muriate of Potash (MOP)
5. Recommended K_2O x 2.00 = Sulphate of Potash (SOP)

If SSP has to be substituted by DAP, then the DAP requirement is first worked out since it contains 18 % N.

Cost of chemical fertilizers and in terms of nutrients

Nutrient	Name of Fertilizers As sources	Nutrient content	Price/MT as on Sept. /05	Cost/MT Including VAT	Per kg cost of nutrients
N	Urea	0.45 % N	Rs. 4830.00	Rs.5023.20	Rs. 11.15
P_2O_5	Single Super Phosphate (SSP)	0.16 % P_2O_5	Rs. 4300.00	Rs.4472.00	Rs. 27.95
K_2O	Muriate of Potash (MOP)	0.60% K_2O	Rs. 4455.00	Rs.4633.20	Rs. 7.69
P_2O_5 N	Diammonium phosphate (DAP)	0.45% P_2O_5 + 0.18 % N	Rs. 9350.00	Rs.9724.00	Rs.25.20 Rs. 4.00