

Technology 12: Safe Prescription Limits for Direct Application of Distillery Effluents in Agriculture

Based on five years of experimentation under field, pot-culture and laboratory conditions on application of distillery effluents on soybean-wheat productivity and consequent effects on soil physical, chemical and biological properties of soil, the following prescription has been formulated for soybean-wheat sequence in deep black soils of Madhya Pradesh.

Sl. No.	Soybean (rainfed)	Wheat (one pre-sowing plus 2-3 post-sown irrigations)
1.	2.5cm Spent wash (SW)	N & P Fertilizers only
2.	2.5 cm Spent wash	1.25 cm SW + two top-dressings of N (1/4N +1/4N)
3.	2.5 cm Post-methanation Effluents (PME)	NP
4.	2.5 cm Post-methanation Effluents	1.25cm PME + two top-dressings of N (1/4N +1/4N)
6.	5 t ha ⁻¹ Lagoon Sludges (LS)	N & P Fertilizers only
7.	5 t ha ⁻¹ Lagoon Sludges	10 t ha ⁻¹ LS + two top-dressings of N (1/4N +1/4N)

Note: SW, PME and LS to be applied 7-15 days before sowing.