



Potassium nitrate sprays gave the highest seed cotton yield increase of 36%

In India the benefits of foliar-applied K and N sources were examined in 4 years of field experimentation. The foliar K and N sources were applied in addition to the recommended rates of basal N and P of 75 kg N plus 30 kg P_2O_5 /ha (and 0 kg K_2O /ha). Three mid-season foliar KNO_3 applications, spaced at weekly intervals, were applied. The experimental plots were unable to meet the high daily N and K requirements during flowering and boll development, the foliar products were all effective but KNO_3 gave the highest yield increase of 36% (Table 1).

Table 1. The effect of foliar sprays on the average seed cotton yield in 4 years compared to control treatment.

Treatment	N° of strays and conc. (%)	Yield (kg/ha)	Av. seed cotton yield increase
Control	-	1470	-
KNO_3	3 * 2%	2000	530 kg/ha (+36%)
Urea	3 * 2%	1867	397 kg/ha (+27%)
KCl	3 * 2%	1793	323 kg/ha (+22%)