

461. Sharma, N.K., Agarwal, M.C., Tyagi, P.C., Mohan, S.C. and Singh, P.N. 1997. Effect of *Leucaena* leaves mulch and time of incorporation on wheat yield. *Indian J. Soil Conserv.*, 25(1): 51-54.

Discusses the results of a field experiment conducted during 1990-93 at Selakui (Dehradun) to find out the optimum quantity of air dried *Leucaena* leaves mulch and appropriate time

of its incorporation preceding to rainfed wheat sowing. The equation $y = a + bM + cT + dM^2 + eT^2 + fMT$ was fitted between wheat grain yield (y) and combination of doses of mulch (M) and timings of its incorporation (T). The results revealed that in addition to recommended dose of chemical fertilizers, air dried *Leucaena* leaves mulch at the rate of 2.25 t/ha might be incorporated into the soil within a period of 30-35 days of maize harvesting. The consequent economic yield of wheat grain would be around 32 q/ha which is about 25 per cent more than the yield under control conditions.