

## Rye grass (*Lolium* sp.)

**Adaptation:** All Agro-climatic Zones

**Variety:** PRG-1, Makhan grass

**Land preparation:**

One primary tillage followed by 2-3 harrowing. Land should be leveled properly and free from stubbles.

**Sowing Time:** November to Mid December

**Seed Rate:** 15 - 20 kg/ha

**Method of Sowing:** Line sowing/ broadcasting. If sown in line sow at 30 cm spacing.

**Fertilizer management:** Apply FYM @ 5 t/ha in addition to the following fertilizer dose

Nutrients	Requirement (kg/ha)	Source	Fertilizer requirement	
			kg/ha	kg/bigha
N	60	Urea	130	17
P <sub>2</sub> O <sub>5</sub>	30	SSP	188	25
K <sub>2</sub> O	30	MOP	50	7

1/3<sup>rd</sup> N and full dose of P and K should be applied as basal. Top dressing N @ 20kg /ha after each cut

**Irrigation:**

Three most important stages of irrigation are:

1. At sowing time
2. 35 days after sowing or at maximum tillering period
3. Immediately after the first cut and subsequent cut

**Number of Cuttings:**

1<sup>st</sup> cut at 50-60 days after sowing (DAS)

2<sup>nd</sup> cut at 80-90 DAS and third cut at 30-35 days after second cut

The crop should be cut at a height of 5-6 cm. above the ground at first cut and second cut.

**Green Fodder Yield:** 350-400 q/ha (Total of 3 cuts).