

ICAR-Indian Institute of Wheat and Barley Research, Karnal

Major advisory (Nov 16-30, 2025)

for

Sowings and other practices across zones of India

Crop Season 2025-26

Sowing of Wheat has gained momentum across the country, with farmers increasingly opting for machine sowing to save the time, seed and labour. All farmers are advised to choose high-yielding, climate-resilient varieties suited to their sowing time and irrigation conditions to get higher yield. Always buy seed from a reliable source.

- Farmers who have sown wheat in the month of October are advised to ensure timely weed control and provide the first irrigation after 20-25 days after sowing for healthy crop establishment. Regular monitoring of the field is recommended to prevent early-season damage.
- Farmers who sowed wheat in the first week of November are advised to ensure proper crop emergence and also plan the first irrigation after 20-25 days after sowing.
- Farmers undertaking wheat sowing in November are advised to complete sowing by November 20 and select high-yielding varieties suited to timely sowing conditions (listed below).

General Tips

- ✓ Choose the best suitable variety for your area and condition.
- ✓ In combine harvested paddy field, the direct wheat seeding can be done using Happy Seeder or Smart Seeder in the presence of loose crop residue.
- ✓ Follow timely planting and avoid delay in sowing of wheat crop to avoid yield losses due to adverse effects of heat around maturity.
- ✓ Do not grow varieties from other zones to avoid risk of disease susceptibility.
- ✓ Manage your crop with optimum inputs (fertilizer, irrigation water, herbicides and fungicides) for maximum yield.
- ✓ Timely and judiciously irrigate fields to save water and cut costs.

Wheat Varieties for timely sowing in Northern, Eastern, Central & Peninsular India

Timely Sown Wheat Varieties (November Month)	
Zone	Variety
NWPZ: Punjab, Haryana, Part of Rajasthan, West UP	HD3386, PBW826, HD3406, DBW222, DBW187
NEPZ: East UP, Bihar, Bengal, Jharkhand	DBW386, HD3388, DBW187, PBW826, HD3411, DBW222, HD3249, HD 3086
CZ: MP, Gujarat, Rajasthan (Udaipur & Kota)	HI1699, NWS2194, HI1650, GW513, GW547, DBW187, HI1636, MACS6768, GW366
PZ: Maharashtra, Karnataka	WH1306, NWS2222, DBW443, AKAW5100, PBW891, MP1378, MACS4100, DDW48(d), HI8826 (d)

(d) denotes durum wheat (Kathiyagehun)

Sowing time, seed rate and fertilizer application: The wheat crop in India is grown in different agro-climatic zones and production conditions. Apply Urea just before irrigation.

Zone-wise sowing seed rate and fertilizer dose for wheat crop

Zone	Sowing conditions	Seed rate	Fertilizer doses and time of application
NWPZ and NEPZ	Irrigated timely sown	100 kg/ha	150:60:40 kg NPK /ha (1/3 N and full P&K as basal at sowing and remaining N in two equal splits at first and second irrigation)
CZ and PZ	Irrigated timely sown	100 kg/ha	120:60:40 kg NPK /ha (1/3 N and full P&K as basal at sowing and remaining N in two equal splits at first and second irrigation)

Weed management (Herbicide Spray)

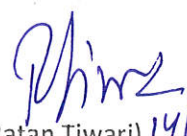
- For control of diverse weed flora including multiple herbicide resistant *Phalaris minor* (Kanaki/Gulli Danda), spray Pyroxasulfone 85 WG at the rate of 60 grams/acre alone or in combination with pendimethalin 30 EC 2.0 lit/acre 0-3 days after sowing or
- Spray ready mix combination of Aclonifen + diflufenican + pyroxasulfone (Mateno More) @ 800 ml/acre 0-3 days after sowing using 150-200 lit of water.
- Avoid the use of pyroxasulfone based herbicide in durum wheat.
- Farmers should spray the crop when weather is clear i. e. no rain, no fog / dew etc.

Irrigation

- Farmers are advised to do first irrigation after 20-25 days after sowing.

Termite Control

- In the termite prone areas, seed treatment with chloropyriphos @ 0.9g a.i /kg seed (4.5 ml product dose / kg seed), be taken up for their management. Seed treatment with thiamethoxam 70WS (Cruiser 70WS) @ 0.7 g a.i./kg seed (4.5 ml product dose / kg seed) or Fipronil (Regent 5FS @ 0.3 g a.i./kg seed or 4.5 ml product dose / kg seed) is also very effective.


(Ratan Tiwari) 14/11/25
Director