ICAR-Indian Institute of Wheat and Barley Research, Karnal

First Major advisory (Nov 1-15, 2026)
for
Sowings and other practices across zones of India
Crop Season 2026-27

Farmers are advised to undertake wheat and barley sowing during the first fortnight of November, following the recommended sowing window for their region. Select suitable varieties based on sowing time, agro-climatic conditions and irrigation availability, and use certified seeds from reliable sources to ensure uniform crop establishment and higher yields.

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 evenly spread loose crop residue.
- ✓ Follow timely planting and avoid delay in sowing of wheat/barley 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.
- ✓ Soil testing before sowing is recommended for optimal nutrient management.
- ✓ Do not burn crop residue, as it increases environmental pollution and adversely affects soil health.

Wheat Varieties for early and timely sowing in Northern, Eastern, Central & Southern India

Zone	Production conditions	Variety
Early Sown Varieties		
NWPZ: Punjab, Haryana, Northern part of Rajasthan, West UP	Irrigated, early sown, up to first week of November	DBW 187, DBW 303, WH 1270, DBW 327, DBW 332, PBW 872, DBW 370, DBW371, DBW 372
CZ: MP, Gujarat, Rajasthan (Udaipur & Kota)		DBW 187, DBW 303, DBW 327, DBW445, JW 1399 ((MP1399), PBW 906, HD 3463, GW543
Timely Sown Varieties		
NWPZ: Punjab, Haryana, Northern part of Rajasthan, West UP	Irrigated, timely sown up to November 20	NICRA Pusa Wheat 3471 (HD 3471), DBW 187, DBW 222, HD 3406, HD3386 PBW 826, HD 3226, HD 3086, WH 1105
NEPZ: Eastern UP, Bihar, Bengal, Jharkhand		DBW 187, PBW 826, HD 3411, DBW 222, HD 3086, K 1006, PBW 915, DBW 386
CZ: MP, Gujarat, Southern Rajasthan (Udaipur & Kota)		DBW 187, HI 1636, HI1669 MACS, 6768, GW 366, GW 555 (Sorath Amber), MACS 6837 (MACS Vindhya), HI 1683, HI 8850 (d), MACS 4135(d)

PZ: Maharashtra, Karnataka		DBW 168, MACS 6478, UAS 304, MACS 6222, PBW891, HI 8849(d), MACS 4135(d), AKAW5100, DBW443, NWS2222, WH1306

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.
- Farmers should spray the crop when weather is clear i. e. no rain, no fog / dew etc.

Barley varieties for early and timely sowing in India

Zone	Production Conditions	Variety
Northern Hill Zone including Himachal Pradesh (except Una and Paonta Valley); Uttarakhand (except Tarai area); Western Himalayan regions of Jammu and Kashmir (except Jammu and Kathua districts); Assam; Manipur; Mizoram; Meghalaya; Tripura; Nagaland; Arunachal Pradesh and Sikkim	Rainfed (15 October to 10 November)	**Feed Barley**: BHS400, HBL113, VLB118 **Hulless Barley**: BHS352, BHS497, **Dual Purpose Barley**: BHS380
North Western Plains Zone including states of Punjab, Haryana, Delhi, Northern Rajasthan (except Kota and Udaipur Divisions), Western U.P. (except Jhansi Division, Parts of J & K (Jammu and Kathua dist.), parts of H.P. (Una dist. and Paonta valley) and Uttarakhand (Tarai region)	Irrigated Timely sown (10-25 November)	**Feed Barley**: DWRB137, BH946 **Hulless Barley**: PL891, DWRB223 **Dual Purpose Barley**: RD2715, RD2552 **Malt Barley:** DWRB219, DWRUB52, RD2849, DWRB123, DWRB101, DWRB182

North Eastern Plains Zone including states of Eastern UP, Bihar, Jharkhand, Orrisa, West Bengal, Assam and plains of N.E states	Irrigated Timely sown (10-25 November)	**Feed Barley**: DWRB137, HUB113 **Hulless Barley**: K1149, NDB943 **Dual Purpose Barley**: RD2715, RD2552
	Rainfed (20 October to 10 November)	**Feed Barley:** K603 and Lakhan
Central Zone including states of Madhya Pradesh, Chhattisgarh, Gujarat, Southern Rajasthan (Kota and Udaipur Divisions) and Jhansi Division of Uttar Pradesh		**Feed Barley**: DWRB137, RD2899 **Hulless Barley**: PL891, DWRB223 **Dual Purpose Barley**: RD2715, RD2552
NWPZ & NEPZ	Salinity and Alkalinity (10-25 November)	**Feed Barley:** NDB1173, RD2794, RD2907

Seed Treatment Recommendations for Barley

Pest/Disease	Treatment
Termite	Dissolve 150 mL of chlorpyrifos (20 EC) in 5 litres of water and use the solution to treat 100 kg of seed.
Covered smut	Mix thiram with Bavistin/Vitavax in a 1:1 ratio and apply at 2.5 g per kg of seed; alternatively, use tebuconazole at 2.0g per Kg of seed.
Biofertilizer	Seed treatment with Azotobacter + PSB at 10-20 ml/kg seed is also recommended.

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

Zone	Sowing conditions	Seed rate	Fertilizer doses and time of application
NWPZ and NEPZ	Irrigated timely sown	100 kg/ha	For feed and hulless barley apply 60:30:20 kg NPK/ha For malt barley apply 90:30;20 kg NPK/ha (1/2 N and full P&K as basal at sowing and remaining 1/2 N at first irrigation)
CZ and PZ	Irrigated timely sown	100 kg/ha	For feed and hulless barley apply 60:30:20 kg NPK/ha (1/2 N and full P&K as basal at sowing and remaining 1/2 N at first irrigation)

Weed management in barley (Herbicide Spray)

- For control of diverse weed flora spray pendimethalin 30 EC 1.5-2.0 lit/acre at 0-3 days after sowing using 150-200 lit of water.

30/10/26

(Omvir Singh)
Director (A)