

HYBRID SEED CATALOGUE

1) Wheat

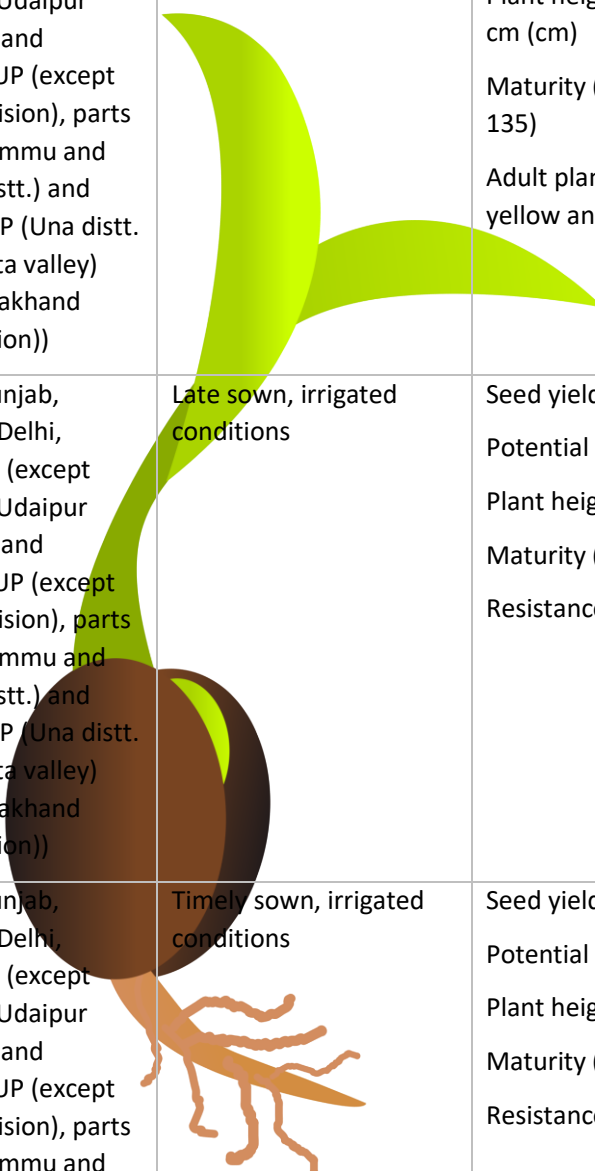
Varieties released by ICAR-IIWBR

Sl. No.	Name of Variety	Area of adoption	Production condition	Salient features
1	DBW 222	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Timely sown, irrigated conditions	Seed yield – 61.3 q/ha Potential Yield-82.1q/ha Plant height – 103 (98-108) Maturity (days): 143 (139-150) Resistant to brown rust, Moderately resistant to yellow rust, Only 18.4% reduction in yield was recorded, when sown late, chapatti quality score (7.5/10), Bread quality score 8.24 and biscuit spread factor 8.45
2	DBW 252	NEPZ (Eastern Uttar Pradesh, Bihar, Jharkhand, Odisha, West Bengal, Assom and plains of North Eastern States)	Timely sown, restricted irrigated conditions	Seed yield – 37.0 q/ha Potential Yield-55.6q/ha Plant height – 98(97-99) Maturity (days):127 (125-130) Highly resistant to Wheat Blast Disease (Av. 2.5%), it has a drought susceptibility index of 0.74
3	DDW47	CZ (Madhya Pradesh, Chhattisgarh, Gujarat, Rajasthan (Kota and Udaipur divisions) and Uttar Pradesh (Jhansi division))	Timely sown, irrigated conditions	Seed yield – 37.3 q/ha Potential Yield-74.1.6q/ha Plant height – 84(83-85) Maturity (days):121 (118-121) Higher yellow pigment content of 7.57 ppm; Suitable for good quality pasta with high pasta acceptability score(7.9)
4	KARAN VANDANA	NEPZ (Eastern Uttar Pradesh, Bihar,	Timely sown, irrigated conditions	Seed yield – 48.8 q/ha

	(DBW 187)*	Jharkhand, Odisha, West Bengal, Assom and plains of North Eastern States)		<p>Potential Yield-64.7q/ha</p> <p>Plant height – 100 cm</p> <p>Maturity (days): 120 (110-140)</p> <p>Good biscuit spread factor (8.6cm), High Fe content (43.1 ppm), resistance to yellow and brown rust</p>
		NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Timely sown, irrigated conditions	<p>Seed yield – 61.8 q/ha</p> <p>Potential Yield-96.6ha</p>
5	DBW 173	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Late sown, irrigated conditions	<p>Seed yield – 47.20 q/ha</p> <p>Potential Yield-57q/ha</p> <p>Plant height – 90 cm (87-92 cm)</p> <p>Maturity(days)- 122 (119-124)</p> <p>Tolerant to terminal Heat (HSI=0.98), Resistant to yellow and brown rust</p>
6	DBW 168	PZ (Maharashtra and Karnataka)	Timely sown, irrigated conditions	<p>Seed yield – 47.46 q/ha</p> <p>Potential Yield-70.1</p> <p>Plant height – 84 cm (85-93 cm)</p> <p>Maturity(days)- 115 (107-125)</p> <p>Very good for chapati (8.15)as well as for biscuit quality, Soft grains (36),</p>

				resistance to brown and black rust
7	WB 2	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Timely sown, irrigated conditions	Seed yield – 51.60q//ha Potential Yield-58.9q/ha Plant height – 100 cm. Maturity (days)- 142 (129-157) Zinc (42.0 ppm) and iron (40.0 ppm) rich wheat variety, Resistance to yellow and brown rusts and powdery mildew
8	DBW 93	PZ (Maharashtra and Karnataka)	Timely sown, restricted irrigated conditions	Seed yield – 29.30q/ha Potential Yield-39q/ha Plant height – 54-68cm. Maturity(days)- 100-110 Resistance to black rust
9	DBW 107	NEPZ (Eastern Uttar Pradesh, Bihar, Jharkhand, Odisha, West Bengal, Assom and plains of North Eastern States)	Late sown, irrigated conditions	Seed yield – 41.30q/ha Potential Yield-68.7q/ha Plant height – 89 cm (86-91 cm) Maturity(days)- 109 Resistance to brown rust and tolerant to terminal heat
10	DBW 110	CZ (Madhya Pradesh, Chhattisgarh, Gujarat, Rajasthan (Kota and Udaipur divisions) and Uttar Pradesh (Jhansi division))	Timely sown, restricted irrigated conditions	Seed yield – 39q/ha Potential Yield-50.5q/ha Plant height – 89 cm (83-89 cm) Maturity (days)- 124 (123-124) Resistance to brown rust
11	DBW 88	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and	Timely sown, irrigated conditions	Seed yield – 54.2q/ha Potential Yield-69.9q/ha Plant height – 99cm (79-121cm) Maturity (days)- 143(122-163)

		Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))		Resistance to yellow and brown rust
12	DBW 90	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Late sown, irrigated conditions	Seed yield – 42.7q/ha Potential Yield-66.6q/ha Plant height – 91 (76-105) cm (cm) Maturity (days)- 121 (104-135) Adult plant resistance to yellow and brown rusts
13	DBW 71	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Late sown, irrigated conditions	Seed yield – 42.7q/ha Potential Yield-68.9q/ha Plant height – 90 cm Maturity (days)- 119 Resistance to yellow rust
14	DPW 621-50 (PBW 621 & DBW 50)	NWPZ (Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western UP (except Jhansi division), parts of J&K (Jammu and Kathua distt.) and parts of HP (Una distt. and Paonta valley) and Uttarakhand (Tarai region))	Timely sown, irrigated conditions	Seed yield – 51.7 q/ha Potential Yield-69.8q/ha Plant height – 97 cm Maturity (days)- Resistance to yellow rust
15	DBW 39	NEPZ (Eastern Uttar Pradesh, Bihar, Jharkhand, Odisha,	Timely sown, irrigated conditions	Seed yield – 44.6q/ha Potential Yield-64.7q/ha



		West Bengal, Assom and plains of North Eastern States)		Plant height – 89cm (87-92 cm) Maturity (days)- 121 (119-123) Resistance to black rust, brown rust and tolerant to leaf blight
16	CBW 38	NEPZ (Eastern Uttar Pradesh, Bihar, Jharkhand, Odisha, West Bengal, Assom and plains of North Eastern States)	Timely sown, irrigated conditions	Seed yield – 44.4 q/ha Potential Yield-65.3q/ha Plant height – 93 cm (90-94cm) Maturity (days)- 121 (119-123) Resistance to rust

Other Varieties

Variety	Production condition	Maturity days	Yield (q/ha)	Remarks
I. Tarai, Bhabar & Plains				
DBW 17	Irrigated, timely sown	130-135	45-55	Strong stem, tolerance to lodging; Resistant to brown and yellow rusts and Karnal bunt.
UP 2554	Irrigated, timely sown	130-135	45-50	Strong stem, tolerance to lodging; Resistant to rusts and powdery mildew.
W 502	Irrigated, Timely sown	130-135	60	Tolerance to heat and lodging; Resistant to brown and yellow rusts and Karnal bunt and tolerance to blight.
HD 2687	Irrigated, timely sown	125-130	51.20	Moderately susceptible to leaf and tolerant to Karnal bunt
UP 2382	Irrigated, timely sown	130-135	55-60	Suitable for zero tillage & FIRBS; Susceptible to brown rust and resistant to yellow rust and smut.

PBW 343	Irrigated, timely sown	130-135	61	Heat tolerant, water stagnation tolerant and lodging tolerant; Susceptible to brown rust and resistant to yellow rust, moderate resistant to Karnal bunt and tolerant to blight.
WH 542	Irrigated, timely sown	130-135	61.50	Resistant to brown and yellow rusts
UP 2338	Irrigated, timely and late sown	125 -135	55.10 (timely sown), 49.00 (late sown)	Suitable for zero tillage and FIRBS; Susceptible to leaf rust and moderately susceptible to stripe rust. Susceptible to Karnal bunt and tolerant to blight.
UP 2526	Irrigated, late sown	120-125	30	Resistant to rusts and powdery mildew
UP 2565	Irrigated, late sown	130-135	44.40	Tolerant to heat; Resistant to rusts, smut and powdery mildew
U P 2425	Irrigated, late sown	120-125	44.70	Bold grain despite late sown; Moderately resistant to brown rust, resistant to stripe rust, and moderately resistant to Karnal bunt.
PBW 373	Irrigated, late sown	120-125	35-40	Heat tolerant and sister line of PBW 343; Resistant to brown and stripe rust, moderately resistant to Karnal bunt and tolerant to blight.
RAJ3765	Irrigated, late sown	120-125	30-35	Heat tolerant and sister line of PBW 343; suitable for zero tillage; Susceptible to brown rust, moderately susceptible to stripe rust and Karnal bunt.
AJ3077	Irrigated, timely sown	132-137	36.0	Resistant to brown and yellow rust

PBW 175	Rainfed, timely sown	132-138	48.0	Resistant to brown and yellow rust
C 306	Rainfed, timely sown	135-140	36.0	Excellent chapati making quality; Susceptible to brown and yellow rusts.
II. Hilly Region (Below 1700m)				
U P 2572	Irrigated & rainfed, Timely sown	162-170	Irrigated 38.80, Rainfed 20-25	Resistant to rust diseases, powdery mildew & loose smut
U P 2584	Irrigated, timely sown	155-160	30-32	Resistant to rust diseases, powdery mildew and Karnal bunt
VL 804	Timely sown, irrigated and rainfed condition	164-178	(Irrigated) 40-45, (Rainfed) 25-30	Tolerance for snowfall; Resistant to brown and yellow rusts
VL 738	Timely sown, irrigated and rainfed condition	175-180	(Irrigated) 40-45, (Rainfed) 25-30	Tolerance for snowfall & good for forage and grains both; Resistant to brown and yellow rusts
VL 719	Irrigated, timely sown	160-165	56.0	Resistant to brown and yellow rusts
HD 2380	Timely and late sown, irrigated and rainfed	130-135	50.80	Resistant to brown and yellow rusts
HS 240	Timely sown, irrigated and rainfed	160-165	36.0 (rainfed), 45.0 (irrigated)	Resistant to brown and yellow rusts and powdery mildew
UP 1109	Timely sown, Irrigated & rainfed	135-140	(Irrigated) 40-45, (Rainfed) 25-30	Moderate resistant to rust diseases and loose smut
HS 420	Irrigated, timely sown	165-170	26.7	Resistant to brown and yellow rusts and hill bunt
HS 295	Rainfed, late sown	160-165	26.1	Resistant to brown and yellow rusts and hill bunt
VL 829	Early sown, rainfed condition	200-218	48.9	Resistant to brown and yellow rusts and loose smut

HS 277	rainfed, late sown	165-170	25.8	Resistant to brown & yellow rusts, loose smut & hill bunt
VL 421	rainfed, timely sown	170-175	25-30	Resistant to brown and yellow rusts and loose smut
VL 832	rainfed, timely sown	155-160	25-30	Resistant to brown and yellow rusts and loose smut

