

Wheat Varieties that Can Boost Farmer Income

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INTRODUCTION

In the realm of food grains, wheat ensures food and nutrition security by holding a significant share in consumption basket. Wheat is the most important and staple food grain crop of nearly 35% of the world population. India is the second largest producer of wheat after china. As per second Advance estimate of 2019-20, wheat production was recorded as 106.21 million tones across the country (Anonymous, 2020a). Punjab and Haryana are known as food bowl of country. They contribute 70 per cent to the total food grain production which are use in public distribution and in other welfare schemes of the government. According to Haryana Additional chief secretary Sanjiv Kaushal, “wheat production estimated slightly above 120 lakh metric tons in Haryana from year 2017-2020” (Sukhbir, 2020).

To feed the ever increasing population and to combat the effect of lockdown our farmers have to produce a good and sound harvest to earn their living as well as to help the government to maintain their food stocks. And this can be achieved by choosing excellent varieties that can produce a good yield and simultaneously increase the socio-economic status of farmers. This article mainly focused on the varieties of wheat that have good yield potential.

Wheat Varieties suitable for Haryana

Sr. no.	Variety	Cultivation Zone	Sowing condition	Yield(q/ha)	Features
	HD 3226	Western Plain Zone comprising of Punjab, Haryana, Delhi, Rajasthan (Except Kota and Udaipur Divisions), Western Uttar Pradesh (Except Jhansi Division), Jammu and Kathua district of J&K, Una district and Paonta Valley of H.P and Uttarakhand (Tarai region)	Irrigated Timely sown condition (5-25 Nov.)	Potential: 79.60 Average: 57.5	<ul style="list-style-type: none"> Resistant to Yellow, Brown and Black rust Resistant to Karnal bunt, Powdery mildew, Loose smut and Foot rot Protein content (12.8 % average) High dry and wet Gluten content
	WH 1184	Released at state level in haryana	Timely sown condition	Potential: 70.03 Average: 61.3	<ul style="list-style-type: none"> Resistant to yellow and brown rust High protein content 13.02 %
	HD 3086 (Pusa Gautami)	North Western Plains Zone (NWPZ) Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions), Western UP (except Jhansi division), parts of J&K (Jammu & Kathua districts), HP (Una district & Paonta valley) and Uttarakhand (Tarai region)	Irrigated, Timely sown condition	Potential: 71.0 Average: 54.6	<ul style="list-style-type: none"> Resistant to Yellow and Brown rust Protein content (12.5 %)
	DBW 187 (Karan Vandana)	North eastern states, Punjab, Haryana and Western Uttar Pradesh	Timely sown, irrigated	Potential: 96.6 Average: 61.8	<ul style="list-style-type: none"> Resistant to yellow rust and Wheat Blast disease Protein content (12 %) Iron (43.1 ppm)
	WH 1142	North western plain zone comprising the states of Haryana, Delhi, Punjab, Rajasthan, Uttar Pradesh, Jammu region of J&K and foot hills of Himachal Pradesh and Uttarakhand	Timely sown, Restricted irrigated	Average : 48	<ul style="list-style-type: none"> Resistant to yellow and brown rust Protein content (12.1 %) Iron (36.4 ppm)
	DBW 222 (Karan Narendra)	NORTH WESTERN PLAINS ZONE (NWPZ) Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions), Western UP (except Jhansi division), parts of J&K (Jammu & Kathua districts), HP (Una district & Paonta valley) and Uttarakhand (Tarai region)	Irrigated Timely sown	Potential: 82.1 Average: 61.3	<ul style="list-style-type: none"> Resistant to brown rust, Moderately resistant to yellow rust Only 18.4% reduction in yield was recorded, when sown late
	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	Potential: 56.10 Average: 42.70	<ul style="list-style-type: none"> Tolerant to terminal heat stress Resistant to yellow and Brown Rust
	WH1124	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)	Late Sown, Irrigated	Potential: 57 Average: 47.20	<ul style="list-style-type: none"> Tolerant to terminal heat stress Resistant to yellow and Brown Rust
	HD3117	NCR/Delhi state	Late sown irrigated conditions	Potential: 55.0 Average: 47.8	<ul style="list-style-type: none"> Free from brown and yellow rust Highly tolerant to Karnal Bunt Protein content (11.7 %)

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