



A Farmer produces truthful seed of wheat (var. Karan Vandana, DBW 187): A Case Study



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Introduction

Farmer: -Mr. Ramnewas Maurya from village Rakhukhor, Junglekaudiya, Gorakhpur, having 03 acres of land. He is 38 years old and qualification is graduation. Presently he is a role model for farmers to get additional income by seed production of wheat. He is also member Surbhi of Farmers Producer Company.

Newly Released Variety: - Karan Vandana (DBW187) is a latest wheat variety for irrigated timely sown conditions of North Eastern Plains Zones (mainly Eastern UP, Bihar, Jharkhand, Assam and West Bengal) and was identified by the Varietal Identification Committee Meeting held during 57th All India Wheat workshop at Ranchi, Jharkhand on 25th Aug 2018. The variety was identified on the basis of significant yield superiority over the checks during all the three years of testing. It had significant yield advantage over the checks HD 2967 (8.9%), K 0307 (7.3%), HD 2733 (7.0%), K 1006 (5.8%) and DBW 39 (4.7%) and possess better resistance against leaf rust and leaf blight. The variety also has high resistance against the wheat blast disease. This variety flowers in 77 days and matures in 120 days after sowing. The average height of the variety is 100cm and has the potential of 64.70q per ha. This variety has better Chapati quality with 7.7/10 score and high iron content (43.1ppm) in the grains. DBW 187 (Karan Vandana) has been notified vide notification S.O. 1498(E) dated 01st April 2019 for providing better economic & quality replacement of the existing varieties like HD2967, K1006, K0307, HD2733 and DBW 39 to the farmers of the region.

Plan, Implement and Support: - In order to popularize and promote this variety, ICAR-IIWBR Karnal in collaboration with Mahayogi Gorakhnath Krishi Vigyan Kendra, Chauk Mafi (Peepiganj), organized a training program of selected wheat farmers on 16th Nov 2018 in which the minikit trials of 2.5 Kg seed was given to 100 farmers. Mr. Ramnewas Maurya also participated in the training program and received a minikit of 2.5 kg seed of DBW 187 (Karan Vandana). After getting the seeds he sowed their seeds in the third fortnight of November, 2018. Under the supervision of Scientist Avanish Kumar Singh and R.P. Singh of Mahayogi Gorakhnath Krishi Vigyan Kendra, he also applied the recommended cultivation practices of wheat. He harvested 150 Kg wheat and stored as a seed (truthful seed) for Upcoming years. In the Rabi season 2019-20, he also cultivated wheat var. DBW187 in 2.5 acres of land.

Output: - The demand of this variety is very high in eastern U.P. Mr. Ramnewas used to do Grain Production in 2.5 acres of land where he produced 52.00 quintal of grain and net Income as was Rs. 52300. In the year 2019-20, Mr Ramnewas started seed production of wheat in 2.5 acres of land where he produced 48.00 quintal of seeds, with the support of Mahayogi Gorakhnath Krishi Vigyan Kendra, he sells the seeds @Rs 40/kg in farmers of District – Gorakhpur, Deoria & Gonda and he received a Net income of Rs 140500.

Year	Area (Acer)	Production (quintal/ha.)	Cost of cultivation (Rs/ha.)	Selling price (Rs/Kg)	Gross Income (Rs/ha)	Net Income (Rs/ha)
Grain Production	2.5	52.00	48500	18.00	100800	52300
Seed Production (2019-20)	2.5	48.00	51500	40.00	192000	140500

Outcome & Impact: - Mr. Ramnewas Maurya received more income in seed production of wheat as compared to grain production wheat. He is becoming one of the progressive and learned farmers for other

with regards to popularization of seed production of DBW 187 variety of wheat. Mr. Ramnewas Maurya is very happy on improvement in their income, livelihood and set forth example for others.