

Detail of crop varieties approved and released

Sr. No.	Crop	Variety	Features
1.	Wheat	HPW 373 (Him Palam Gehun 3) (Dr. Vijay Rana, Principal Scientist, RWRC, Malan)	<ul style="list-style-type: none"> ➤ Recommended for late sown rainfed conditions in low and mid hills of Himachal Pradesh ➤ Good <i>chapatti</i> making quality parameters coupled with high degree of resistance against yellow rust and leaf rust coupled with high yield potential (28.0 – 32.0 q/ha).
2.	Barley	HBL 804 (Him Palam Jau 2), Dr. Naval Kishore, Scientist (Plant Breeding) HAREC, Bajaura (Expired)	<ul style="list-style-type: none"> ➤ A dual purpose, 6 rowed, hulled barley variety, suitable for timely sown rainfed conditions in low and mid hills of Himachal Pradesh. ➤ High degree of resistance to stripe and brown rusts ➤ Average green fodder yield of 25-30 q/ha and grain yield of 20-25 q/ha. The variety matures in about 170-185 days.
3.	Soybean	Him Palam Hara Soya-1 (Himso-1685) Dr. Vedna Kumari, Principal Scientist, Deptt. of Genetics & Plant Breeding	<ul style="list-style-type: none"> ➤ Recommended for rainfed conditions in mid-hill zone of H.P. ➤ Average seed yield 20-22q/ha; Average oil content 20.10%; Average protein content 30.6% ➤ Highly resistant against frogeye leaf spot (<i>Cercosporasojina</i>), pod blight (<i>Colletotrichumtruncatum</i>), bacterial pustule (<i>Xanthomonasaxonopodispv. glycines</i>) and brown spot (<i>Septoriaglycines</i>) diseases
4.	Mustard	Trombay Him Palam Mustard-1 (THPM-1) Dr. Vedna Kumari, Principal Scientist, Deptt. of Genetics & Plant Breeding	<ul style="list-style-type: none"> ➤ Recommended for timely sown, irrigated conditions in low and mid-hill areas of H.P. ➤ Average seed yield 11.2q/ha; Average oil content 39.9% ➤ moderately susceptible reaction against <i>Alternaria</i> blight at leaf stage
5.	Garden Pea	Him Palam Matar-1 Dr. Akhilesh Sharma, Professor, Deptt. of Vegetable Science & Floriculture	<ul style="list-style-type: none"> ➤ Synchronized flowering and pod maturity; Ready for first harvest in about 70 days in high hills as off-season during summer season and in about 100-125 days in low to mid hills as main season crop ➤ High pod yield potential (120-130 q/ha as off-season summer crop and 140-165 q/ha as main season during winters) ➤ Moderately resistant reaction to powdery mildew disease ➤ Suitable for main season cultivation in low, mid and high hills of Himachal Pradesh. It is also suitable for cultivation as off-season

			during summer in Lahaul & Spiti and during July/August sown crop in high and mid hills (Mandi & Chamba districts)
		HIM PALAM MATAR-2 Dr. Viveka Katoch, Deptt. of Vegetable Sci. & Flori.	<ul style="list-style-type: none"> ➤ Suitable cultivation in Low, mid and high hills of Himachal Pradesh ➤ Resistant to powdery mildew disease under field and lab conditions ➤ Crop matures in 75-134 days ➤ Average Yield is 150-160q/ ha
6	Snow pea/Edible Pod Pea	Him Palam Meethi Phali-2 Dr. Akhilesh Sharma Deptt. of Vegetable Science & Floriculture	<ul style="list-style-type: none"> ➤ Suitable for main/off-season cultivation in low, mid and high hills of Himachal Pradesh. ➤ High pod yield potential (80-100 q/ha) ➤ Moderately resistant to powdery mildew disease and low incidence of leaf miner
7.	Chilli	Him Palam Mirch-1 Dr. Akhilesh Sharma Deptt. of Vegetable Science & Floriculture	<ul style="list-style-type: none"> ➤ Suitable for cultivation in low and mid hills of Himachal Pradesh. ➤ Cluster bearing fruit habit with high fruit yield potential (120-140 q/ha) about 20% higher over 'Surajmukhi'. ➤ It shows tolerance to bacterial wilt and also showed low incidence of fruit rot ➤ Suitable for cultivation during rainy season due to its erect plant and fruit bearing characteristics that is beneficial to handle fruit rot/anthracnose disease.
		HIM PALAM Mirch-2 Dr. Akhilesh Sharma Deptt. of Vegetable Science & Floriculture	<ul style="list-style-type: none"> ➤ Suitable for cultivation in low and mid hills of Himachal Pradesh. Single erect bearing fruit habit. ➤ High fruit yield potential (130-160 q/ha) with average fruit yield of 140 q/ha about 40% higher over 'Surajmukhi'. ➤ It shows tolerance to bacterial wilt and also showed low incidence of fruit rot It is suitable for cultivation during rainy season due to its erect plant and fruit bearing characteristics that is beneficial to handle fruit rot/anthracnose disease.
8.	Onion	Him Palam Shweta Dr. Sonia Sood, Professor, Deptt. of Vegetable Science & Floriculture	<ul style="list-style-type: none"> ➤ First white coloured variety of onion for the state. Bulbs are attractive white coloured, round shaped, narrow necked, more shelf life, low post harvest losses, high TSS. ➤ Suitable for growing in Zone-I and Zone-II of the state ➤ Average Yield is 240-290 q/ha ➤ Early in maturity; matures in 150-160 days
9.	Parthenocarpic Cucumber	Him Palam Kheera-1 Dr. Parveen Sharma, Department of	<ul style="list-style-type: none"> ➤ Recommended for cultivation in all agro-climatic zones of the state under protected conditions ➤ Average Yield is 800-850 q/ha ➤ Farmers can produce seed at their own level,

		Vegetable Sci. & Flori	being an OP variety
10.	Cherry Tomato	Him Palam Cherry Yellow Dr. Parveen Sharma, Department of Vegetable Sci. & Flori	<ul style="list-style-type: none"> ➤ First yellow colour variety of cherry tomato Recommended for cultivation in all agro-climatic zones of the state under protected conditions ➤ Cluster bearing habit if the plant (19-20/ cluster ➤ High beta-carotene; Average Yield is 500-550 q/ha
11.	Radish	Him Palam Mooli-1 Dr. Sanjay Chadha, Deptt. of Vegetable Sci. & Flori.	<ul style="list-style-type: none"> ➤ Suitable for growing in Zone-1 and Zone II of the State ➤ Average Yield is 460-480 q/ha ➤ Medium in maturity, mature in 60-70 days No serious disease and insect-pests