

# Wheat

## 1. Him Palam Gehun 2 (HPW 368)

- Year of release/ notification: 2021 (Notification No. S.O. 99(E))
- Suitable for timely sown rainfed and irrigated conditions of mid & low hills
- High degree of resistance to yellow and brown rusts
- Amber and bold grains having desirable quality profile for *chapatti* making
- Average yield: 26-31 q/ha (Rainfed) and 40 - 45 q/ha (Irrigated)



**Him Palam Gehun-2**

## 2. Him Palam Gehun 3 (HPW 373)

- Year of release/ notification: 2022 (Notification No. S.O. 4065(E))
- Suitable for late sown rainfed conditions of mid & low hills of Himachal Pradesh
- Highly resistant to yellow rust
- Very good chapatti making quality
- Average grain yield: 28 - 32 q/ha



**Him Palam Gehun 3**

# Barley

## 3. Him Palam Jau 1 (HBL 713)

- Year of release/ notification: 2018 (Notification No. S.O. 99(E))
- Suitable for sowing for timely sown rainfed conditions under low and mid hills
- Six- rowed, hulled grain and medium bold spikes with high tillering capacity
- High degree of resistance to stripe rust,
- Average crude protein content: 9.1%
- Average grain yield: 30-35 q/ha



**Him Palam Jau-1**

## 4. Him Palam Jau 2 (HBL 804)

- Year of release/notification: 2022 (Notification No. S.O. 4065(E))
- Suitable for sowing under timely sown rainfed and irrigated conditions in low and mid hills
- Dual purpose, six- rowed and hulled grain barley
- Medium bold spikes with good tillering capacity
- High degree of resistance to stripe and brown rusts
- Average green fodder yield: 25-30 q/ha and grain yield: 20-25 q/ha



**Him Palam Jau 2**

# Maize

## 5. Him Palam Maize Composite 1 (L 315)

- Year of release/ notification: 2021 (Notification No. S.O. 8(E))
- Suitable for mid and high hills of the state
- Orange flint grains
- Maturity 100-102 days
- Resistant to lodging and maydis leaf blight
- Moderately resistant to banded leaf and sheath blight
- Average yield 60-65 q/ha



**Him Palam Maize Composite 1**

## 6. Him Palam Maize Composite 2 (L 316)

- Year of release/ notification: 2023 (Notification No. S.O. 1065(E))
- Suitable for mid and high hills of the state
- Medium maturing in 100 days
- Yellow indented grains
- Maturity 98-100 days
- Moderately resistant to lodging, turcicum leaf blight and bacterial stalk rot
- Average yield 65-70 q/ha



**Him Palam Maize Composite 2**

## Chickpea

### 7. Him Palam Channa 1 (DKG 986)

- Year of release/notification: 2020 (Notification No. S.O. 99(E))
- Recommended for sub montane low hills, sub tropical zone (Zone I) and mid hill zone (Zone II) of Himachal Pradesh
- Semi erect with light green leaves
- Grains are medium bold and yellowish brown in colour, easy to cook and good in taste
- Tolerant to cold stress
- Highly resistant to *Ascochyta* blight and tolerant to *Fusarium* wilt, root rot, *Botrytis* grey mould
- Average yield:16-17 q/ha



**Him Palam Channa 1**



## Rice

### 8. Him Palam Lal Dhan 1 (HPR 2795)

- Year of release/notification: 2018 (Notification No. S.O. 1379(E))
- High yielding variety suitable for low elevated hills under rainfed ecology
- The grains are red in colour due to red pericarp
- Average grain yield:28-30 q/ha



**Him Palam Lal Dhan 1**

### 9. Him Palam Dhan 1 (HPR 2656)

- Year of release/notification: 2020 (Notification No. S.O. 99(E))
- High yielding variety suitable for low and mid hills under upland conditions
- Grains are short, bold and translucent
- Average yield: 28-30q/ha



HPR 2656

**Him Palam Dhan 1**

### 10. Him Palam Dhan 2 (HPR 2880)

- Year of release/notification: 2020 (Notification No. S.O. 99(E))
- Suitable for transplanted condition
- The variety has been developed from the old HPU 2216 variety with the genes that impart resistance to leaf and neck blast. In addition, the proposed variety has resistance against rice hispa which is a major insect pest of rice causing huge losses in rice productivity throughout the state. This variety yields higher comparable to HPU 2216 and RP 2421 and is resistant to blast.
- Average yield: 35-40 q/ha



**Him Palam Dhan 2**

### 11. Him Palam Dhan 3 (HPR 2865)

- Year of release/notification: 2024 (Notification No.: S.O. 1560(E))
- Suitable for low and medium hills of Himachal Pradesh and Uttarakhand
- Maturity: 125 days
- Moderately resistant to leaf and neck blast
- Average yield: 38-40 q/ha



**Him Palam Dhan 3**

## 12. Him Palam Dhan 4 (HPR 3201)

- Year of release/notification: 2024 (Notification No.: S.O. 1560(E))
- Suitable for low and medium hills of Himachal Pradesh and Uttarakhand
- Maturity: 125 days
- Moderately resistant to leaf and neck blast
- Average yield: 40-42 q/ha



**Him Palam Dhan 4**

## Indian Mustard

### 13. Trombay Him Palam Mustard-1 (TM-172)

- Year of release/notification: 2021 (Notification No. S.O. 8(E))
- Suitable for timely sown, irrigated conditions in low and mid-hill areas of Himachal Pradesh
- Variety is an addition to the existing variety RCC-4
- The overall disease reaction against *Alternaria* blight (leaves) and white rust (leaves) under field conditions remained similar to RCC-4
- The variety recorded mean minimum population of aphid complex (*Lipaphis erysimi* and *Brevicoryne brassicae*) per central twig in comparison to RCC-4
- Average oil content: 39.9%
- Average seed yield: 11.2q/ha



**Trombay Him Palam Mustard-1**



## Gobhi Sarson

### **14. Him Palam Gobhi Sarson 1**

- Year of release/notification: 2021 (Notification No. S.O. 8(E))
- Suitable for cultivation in Himachal Pradesh, Punjab and Jammu & Kashmir
- Early maturing and shorter in height than the existing varieties of gobhi sarson GSC 7 and Him Gobhi Sarson 1
- Erucic acid: 7-8 % and less than 30 micro moles of glucosinolates/gram in defatted seed meal
- Average seed yield: 15-16 q/ha



**Him Palam Gobhi Sarson 1**

### **15. Him Palam Gobhi Sarson 2**

- Year of release/notification: 2023 Notification No.: S.O.4222 (E)
- Suitable for mid and low hills of Himachal Pradesh, Punjab, Jammu and Kashmir
- Maturity: 157-159 days
- Average yield: 15-17 q/ha



**Him Palam Gobhi Sarson 2**

# Soybean

## 16. Him Palam Hara Soya 1 (Himso-1685)

- Year of release/notification: 2021 (Notification No. S.O. 8(E))
- Suitable for rainfed conditions in mid-hill zone of Himachal Pradesh
- Seeds are green in colour, bold in size and sweeter in taste
- Highly resistant against frogeye leaf spot, pod blight, bacterial pustules and brown spot diseases
- Average oil content :20.1%
- Average protein content: 30.6%
- Average seed yield: 20-22q/ha



**Him Palam Hara Soya-1**

## 17. Him Palam Soya 1 (Himso-1689)

- Year of release/notification: 2023 (Notification No. S.O. 1056(E)103)
- Suitable for rainfed conditions during *kharif* season in Central Zone of India
- It has shown resistant to moderately resistant reaction against PB (Pod blight), highly resistant to moderately resistant reaction against RAB (*Rhizoctonia* aerial blight), highly resistant to moderately susceptible reaction against CR (Charcoal rot) and highly resistant reaction against ALS (*Alternaria* leaf spot) and BP (bacterial pustules) diseases in Central Zone.
- Average oil content :20.40%
- The percent protein content is medium
- Average seed yield: 20-21 q/ha



**Him Palam Soya 1**

## **Fodder Crops**

### **18. Palam Fescue Grass-2 (Hima-14)**

- Year of release/notification: 2019 (Notification No. S.O. 3220(E))
- High yielding variety recommended for sub-temperate and temperate grasslands
- Broad dark green & soft leaves, high tillering and quick regeneration capacity
- Cold and frost tolerant with high persistence and productivity
- Vegetative growth from March to October
- Crude protein:10.7-12.6%
- Green fodder yield :300-350 q/ha in 2 to 3 cuttings



**Palam Fescue Grass-2**

### **19. Him Palam Setaria Grass-2 (S-18)**

- Year of release/notification: 2020 (Notification No. S.O. 3482(E))
- Suitable for cool sub-tropical and sub-temperate grasslands and pasture of hill zone of the country
- Broad dark green leaves, medium thick stem, multitillers, deep fibrous root system and long vegetative growth period
- Green inflorescence which turns rusty brown on maturity
- Drought and frost tolerant
- Crude protein:10-12%
- Green fodder yield: 500-600 q/ha of green herbage in 2 to 3 cuttings



**Him Palam Setaria Grass-1**

## 20. Him Palam Rye Grass-1

- Year of release/notification: 2020 (Notification No. S.O. 3482(E))
- Suitable for tropical, sub-tropical, sub-temperate and temperate climate under irrigated conditions
- Leaves are long, dark green, very soft and succulent with thin tiller and strong root system
- Highly resistant to powdery mildew, tolerant to cold and frost
- It has palatable fodder with crude protein content of 12-13% on dry matter basis
- Green fodder yield: 350-400 q/ha of green herbage in 3-4 cuttings



**Him Palam Rye Grass-1**

## 21. Him Palam White Clover 1 (PWC-25)

- Year of release/notification: 2021 (Notification No. S.O. 8(E))
- Suitable for pastures, grassland, wastelands and orchards of sub-temperate and temperate regions of hill zone comprising Himachal Pradesh, Uttarakhand and UT of Jammu & Kashmir
- Fast growing legume with medium broad leaves, long leaf petiole, vigorous growth habit and better regeneration capacity
- Moderately resistant to powdery mildew, tolerant to cold, lodging and frost
- It can be used as palatable fodder
- Crude protein content: 19-20% on dry matter basis
- Green fodder yield: 450-475 q/ha of green herbage in 3-4 cuttings



**Him Palam White Clover 1**



## **22. Him Palam Oat-1 (PLP-24)**

- Year of release/ notification: 2024 (Notification No. S.O. 4388(E))
- Suitable for Himachal Pradesh, Uttarakhand and Jammu & Kashmir
- Lodging tolerant
- Maturity: 180-185 days
- Crude protein content: 9.3-10.5%
- Green fodder yield: 260-300 q/ha



**Him Palam Oat-1 (PLP-24)**