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**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE**

**OBJECTIVE DESCRIPTION OF VARIETY
Barley (*Hordeum vulgare* L.)**

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country)		FOR OFFICIAL USE ONLY
		PVPO NUMBER

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (i.e., or) when the number is either 99 or less or 9 or less.

1. GROWTH HABIT:

1 = Spring 2 = Facultative Winter 3 = Winter
 Early Growth: 1 = Prostrate 2 = Semi-Prostrate 3 = Erect

2. MATURITY: (50% Flowering)

1 = Early (California Mariout) 2 = Mid-Season (Betzes) 3 = Late (Frontier)

No. Days Earlier Than _____ *

Same as Check _____ *

No. of Days Later Than _____ *

3. PLANT: (From Soil Level to Top of Head)

1 = Semi-Dwarf 2 = Short (California Mariout) 3 = Medium Tall (Betzes) 4 = Tall (Conquest)

cm Shorter Than _____ *

Same as Check _____ *

cm Taller Than _____ *

4. STEM:

Exsertion (Flag to Spike at Maturity): 1 = (0 – 3 cm) 2 = (3 – 10 cm) 3 = (10 – 15 cm)

Anthocyanin: 1 = Absent 2 = Present

No. of Nodes (Originating from Node Above Ground)

Collar Shape: 1 = Closed 2 = V-Shaped 3 = Open 4 = Modified Closed or Open

Shape of Neck: 1 = Straight 2 = Snaky 3 = Other (Specify) _____

* A commercial variety grown in the same trial.

5. LEAF:

- Basal Leaf Sheath (Seedling): 1 = Glabrous 2 = Pubescent
- Position of Flag Leaf (At Boot Stage): 1 = Drooping 2 = Upright
- Waxiness: 1 = Absent (Glossy) 2 = Slightly Waxy 3 = Waxy
- mm Width (First Leaf Below Flag Leaf)
- cm Length (First Leaf Below Flag Leaf)
- Anthocyanin in Leaf Sheath: 1 = Absent 2 = Present

6. HEAD:

- Type: 1 = Two-Rowed 2 = Six-Rowed
- Density: 1 = Lax 2 = Erect (Not Dense) 3 = Erect (Dense) 4 = Other (Specify) _____
- Shape: 1 = Tapering 2 = Strap 3 = Clavate 4 = Other (Specify) _____
- Waxiness 1 = Absent (Glossy) 2 = Slightly Waxy 3 = Waxy
- Lateral Kernels Overlap: 1 = None 2 = At Tip 3 = 1/4 – 1/2 of Head
- Rachis (Hair on Edge): 1 = Lacking 2 = Few 3 = Covered

7. GLUME:

- Length: 1 = 1/3 of Lemma 2 = 1/2 of Lemma 3 = More than 1/2 of Lemma
- Hairs: 1 = None 2 = Short 3 = Long
- Hair Covering: 1 = None 2 = Restricted to Middle 3 = Confined to Band 4 = Completely Covered
- Awns: 1 = Less than Equal to Length of Glumes 2 = Equal to Length of Glumes 3 = More than Equal to Length of Glumes
- Awn Surface: 1 = Smooth 2 = Semi-Smooth 3 = Rough

8. LEMMA:

- Awn: 1 = Awnless
2 = Awnlets on Central Rows, Awnless on Lateral Rows
3 = Short on Central Rows, Awnlets on Lateral Rows
4 = Short (Less than Equal to Length of Spike)
5 = Long (Longer than Spike)
6 = Hooded
- Awn Surface: 1 = Awnless 2 = Smooth 3 = Semi-Smooth 4 = Rough
- Teeth: 1 = Absent 2 = Few 3 = Numerous
- Hair: 1 = Absent 2 = Present
- Shape of Base: 1 = Depression 2 = Slight Crease 3 = Transverse Crease
- Rachilla Hairs: 1 = Short 2 = Long

9. STIGMA:

- Hairs: 1 = Few 2 = Many

10. USE:

- 1= Malting 2= Non-malting 3= Feed (animal) 4= Forage
5= Human consumption 6= Other _____

