

DUS Testing in Onion & Garlic



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Contd. DUS Test Characteristics of Onion

A. For common onion varieties (1-5)

1. Plant: Number of leaves per pseudo-stem



Few (<10)

Medium (10–15)

Many (>15)

2. Foliage: Length (from pseudo-stem to tip of leaf)

Long (>45 cm)

Short (<30 cm)



Medium (30–45 cm)

Contd. DUS Test Characteristics of Onion

C. For all varieties (15-34)

15. Foliage: Attitude



Erect	Semi-erect
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Absent	Present
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16. Leaf: Diameter (maximum)



Small (<1.0 cm)	Medium ($1.0 - 1.5$ cm)	Large (>1.5 cm)
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17. Foliage: Waxiness

Contd. DUS Test Characteristics of Onion

20. Pseudostem: Length (up to last emerged green leaf)

Large (>10 cm)



Small (<7 cm)

Medium (7–10 cm)

21. Pseudostem: Diameter (at midpoint of length)



Small (< 1.5 cm)



**Medium (1.5 – 2.0
cm)**



Large (>2.0 cm)

Contd. DUS Test Characteristics of Onion

23. Bulb: General shape (in longitudinal section)



Elliptic



Oval



Globe



Flat globe



Flat

***Contd.* DUS Test Characteristics of Onion**

24. Bulb: Basic colour of dry skin



White



Yellow



Pink



Light red



Dark red



Brown

Registered Varieties of ICAR-DOGR



Bhima Super



Bhima Red



Bhima Raj



Bhima Dark Red



Bhima Kiran



Bhima Shakti



Bhima Light Red



Bhima Shubhra



Bhima Safed

Photographs related to DUS Onion and Garlic



Variability in DUS Onion Varieties



Variability in DUS Garlic Varieties



Field view of DUS Onion



Multiplier Onion

Thanks



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