



MORPHOLOGICAL DESCRIPTOR

CAULIFLOWER (*Brassica oleracea* var. *botrytis*)



Federal Seed Certification & Registration Department
Ministry of Food, Agriculture & Livestock
Government of Pakistan, Islamabad

*Testing Genetic Suitability and Adaptability: and
Registration of Crop Varieties is Legal Obligation
under Section 8 of Seed Act, 1976.*

M. Ashraf Tajammal
Ms. Naheed Naz

GENERAL

Variety name

Parentage

Pedigree

Breeder (s)

Comparable variety (s)

Breeding center/institute

Variety maintainer

Origin Local Exotic

Breeding method Selection Hybridization Introduction Any other

Areas of adaptation

Planting time

Maturity duration Short Medium Long

SEEDLING CHARACTERISTICS

Seedling height (cm)

Cotyledon color Yellowish green Light green Dark green

Anthocyanin Absent Weak Medium Strong

Primary leaf size Small Medium Large

PLANT CHARACTERISTICS

Plant height at fruiting stage (cm)

Stem thickness (cm)

LEAF CHARACTERISTICS

Leaf color L. green Medium green Dark green Grey green Blue green

Leaf size Small Medium Large

Leaf length (cm)

Leaf width (cm)

Leaf attitude Erect Semi erect Horizontal

Leaf shape Narrow elliptic Elliptic Broad elliptic

Margin of leaf base Entire Wavy

Leaf wax Absent Weak Medium Strong

Leaf creasing Absent Weak Medium Strong

Midrib width Narrow Medium Wide

Petiole length (cm)

Leaf tip torsion Absent Weak Medium Strong

Upper side leaf blade shape Concave Convex Plane

CURD/HEAD CHARACTERISTICS

Curd diameter (cm)

Curd size Small Medium Large

Curd shape in L.S. Circular Transverse Broad elliptic Elliptic Narrow

Curd covering by inner leaves Not covered Partly covered Covered

Curd color White Off white Yellowish white

Curd anthocyanin Absent Present

Curd texture Fine Medium Coarse

Curd fineness Loose Medium Solid

Flower color White Ivory Yellow

POD CHARACTERISTICS

Maturity days

Pod shape Narrow elliptic Elliptic

Pod color Light green Green Yellowish green Pinkish green

Pod length (cm)

Pod width (cm)

Seed/pod

SEED CHARACTERISTICS

- Seed color L. brown Dark brown Reddish brown
- Seed shape Orbicular Semi orbicular Any other
- Seed size Small Medium Bold
- 000, seed weight (g)

ENVIRONMENTAL ADAPTABILITY (Evaluation done under define conditions)

Flowering Response to seasons Stable Variable Highly variable

Drought tolerance Least tolerant Medium Most tolerant
(Measured as reduction in yield).

Tolerance to salinity Least tolerant Medium Most tolerant
(Measured by reduction in plant height 30 days after sowing).

Tolerance to acid soils Least tolerant Medium Most tolerant
(Measured as reduction in plant height 30 days after sowing).

Cold tolerance Least tolerant Medium Most tolerant
(Measured as reduction in general vigour and productivity after being continuously exposed to an average temperature of 15 °C for at least 15 days).

Heat tolerance Least tolerant Medium Most tolerant
(Measured as yield reduction when continuously exposed to average of 40 °C during the flowering period).

RESISTANCE TO INSECTS/PESTS

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RESISTANCE TO DISEASES

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DISTINGUISHING CHARACTERISTICS

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RECOMMENDED/APPROVED BY

Variety Evaluation Committee (VEC)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Experts Sub Committee	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Provincial Seed Council	<input type="checkbox"/> Yes	<input type="checkbox"/> No

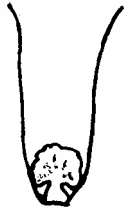
COMMENTS OF SPOT EXAMINATION

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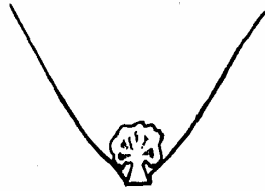
ADDITIONAL INFORMATION

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LEAF ATTITUDE



Erect

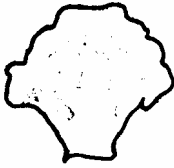


Semi erect

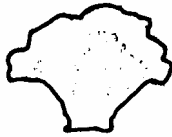


Horizontal

CURD SHAPE AND DOMING OF LONGITUDINAL SECTION



Circular



Transverse broad elliptic



Transverse elliptic



Transverse narrow elliptic



Circular



Transverse broad elliptic



Transverse elliptic



Transverse narrow elliptic



Circular



Transverse broad elliptic



Transverse elliptic



Transverse narrow elliptic

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WEAK CURD DOMING IN LONGITUDINAL SECTION



MEDIUM CURD DOMING IN LONGITUDINAL SECTION



STRONG CURD DOMING IN LONGITUDINAL SECTION

