MORPHOLOGICAL DESCRIPTOR

APRICOT
(*Prunus armeniaca* L.)

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.

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Ms. Naheed Naz

Morphological Descriptor

Apricot

GENERAL:

Variety name	……
Species	□ *Prunus armenica* L.
Breeding center/institute	……
Areas of adaptation	……
Parentage	……
Rootstock name	……
Scion name	……
Origin of rootstock	□ Local □ Selection from exotic material □ Introduction □ Any other
Origin of scion	□ Local □ Selection from exotic material □ Introduction □ Any other
Type of maintenance	□ Vegetative □ Tissue Culture □ Seed □ Others
Type of vegetative production	□ Grafting/budding □ Hardwood cuttings □ Softwood cuttings □ Stole beds □ others
Scion/rootstock compatibility	□ Poor □ Medium □ Good
Flowering season/month	……
Fruit ripening	……
Fruiting set	……
Status of the variety	□ Primitive □ Advanced

TREE CHARACTERISTICS:

Tree Vigor	□ Weak □ Medium □ Strong
Tree habit	□ Erect □ Semi erect □ Semi erect to spreading □ Spreading □ Drooping □ Weeping
Degree of branching	□ Weak □ Medium □ Strong
Distribution of flower buds	□ Weak □ Medium □ Strong
Young shoot anthocyanin colouration of tip	□ Weak □ Medium □ Strong
One year old shoot feathering	□ Slight □ Medium □ Much

LEAF CHARACTERISTICS:

Intensity of green color on upper side	□ Light □ Medium □ Dark
Leaf blade length (cm)	……
Leaf blade width (cm)	……
Leaf blade size	□ Small □ Medium □ Large
Leaf shape of base	□ Acute □ Obtuse □ Truncate □ Cordate
Leaf blade angle of apex (excluding tip)	□ Acute □ Right angled □ Moderately obtuse □ Strongly obtuse
Incision of margin	□ Crenate □ Bicrenate □ Serrate □ Biserrate
Petiole length/thickness (cm)	……/……
Petiole length	□ Short □ Medium □ Long
Anthocyanin coluration of upper side	□ Weak □ Medium □ Strong

FLOWER CHARACTERISTICS:

Days to flowering	……
Flower color	□ White □ Light pink □ Dark pink
Flower size	□ Small □ Medium □ Large
Petal shape	□ Broad elliptic □ Semi circular □ Oblate
Position of stigma as compared with anthers	□ Below □ Small Level □ Above

FRUIT CHARACTERISTICS:

Fruit skin color	□ Whitish □ Yellowish □ Yellow green □ Orange Reddish orange
Fruit length/width (cm)	……../…….
Fruit size	□ Small □ Medium □ Large
Shape in lateral view	□ Triangular □ Ovate □ Oblong □ Elliptic □ Circular……. □ Oblate □ Obovate □ Oblique rhombic
Shape in ventral view	□ Triangular □ Ovate □ Oblong □ Elliptic □ Circular □ Oblate □ Obovate □ Oblique rhombic
Shape of apex	□ Acute □ Rounded □ Truncate □ Retuse
Presence of mucro	□ Absent □ Present
Depth of suture	□ Shallow □ Medium □ Deep
Depth of pedicel cavity	□ Shallow □ Medium □ Deep
Tip shape	□ Depressed □ Flat □ Rounded □ Pointed
Fruit surface	□ Smooth □ Slightly bumped
Fruit pubescence	□ Absent □ Present
Intensity of anthocyain colouration of skin	□ Weak □ Medium □ Strong
Extent of anthocyanin colouration of skin	□ Small □ Medium □ Large
Pattern of anthocyanin	□ Spots □ Solid flush □ Covered all over with very small dots
Colour of flesh	□ White □ Cream □ Orange
Texture of flesh	□ Fine □ Medium □ Coarse
Firmness of flesh	□ Soft □ Medium □ Firm
Percentage of stone(by weight)	□ Low □ Medium □ High
Adherence of stone to flesh	□ Absent □ Present
Stone size	□ Small □ Medium □ Large
Stone shape in lateral view	□ Ovate □ Oblong □ Elliptic □ Circular □ Obovate

ENVIRONMENTAL ADAPTABILITY (Evaluation done under define conditions)

Flowering Response to seasons	□ Stable □ Variable □ Highly variable
Drought tolerance (Measured as reduction in yield).	□ Least tolerant □ Medium □ Most tolerant
Tolerance to salinity (Measured by reduction in plant height 30 days after sowing).	□ Least tolerant □ Medium □ Most tolerant
Tolerance to acid soils (Measured as reduction in plant height 30 days after sowing).	□ Least tolerant □ Medium □ Most tolerant
Cold tolerance (Measured as reduction in general vigour and productivity after being continuously exposed to an average temperature of 15 °C for at least 15 days).	□ Least tolerant □ Medium □ Most tolerant

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

□ Least tolerant □ Medium □ Most tolerant

RESISTANCE TO INSECTS/PESTS;

……
……
……
……
…….

RESISTANCE TO DISEASES:

……
……
……
……
…….

DISTINGUISHING CHARACTERISTICS:

……
……
……
……
…….

RECOMMENDED/APPROVED BY:

Variety Evaluation Committee (VEC)	□ Yes	□ No
Experts Sub Committee	□ Yes	□ No
Provincial Seed Council	□ Yes	□ No

COMMENTS OF SPOT EXAMINATION:

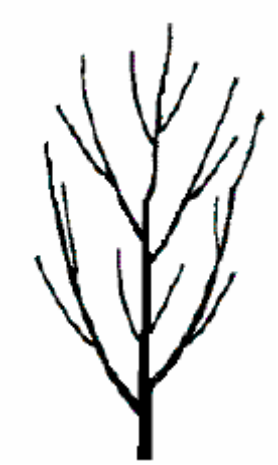
……
……
……
……
…….

ADDITIONAL INFORMATION:

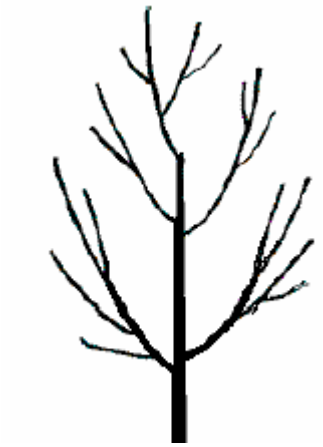
……
……
……
……
…….

TREE HABIT

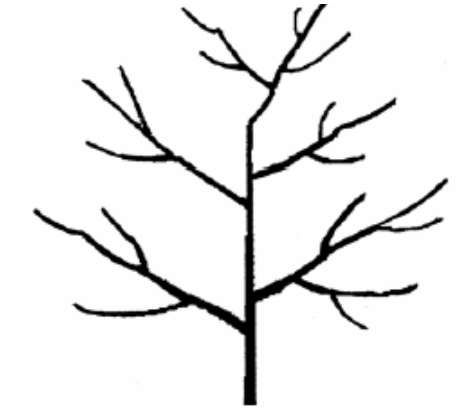
Erect



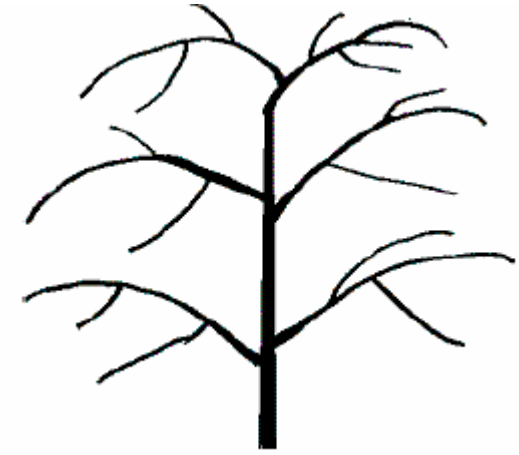
Semi erect



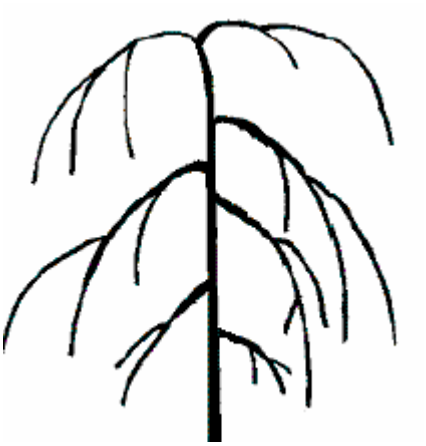
Semi erect to spreading



Spreading

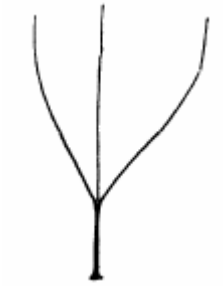


Drooping



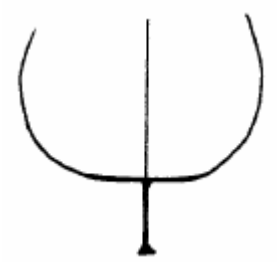
Weeping

SHAPE OF LEAF BASE

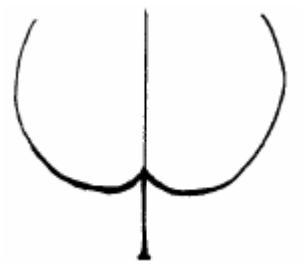


Acute

Obtuse

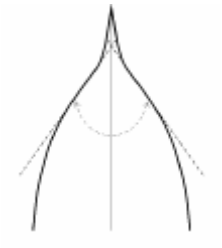


Truncate

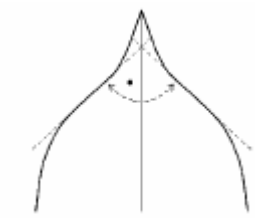


Cordate

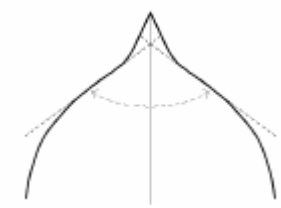
ANGLE OF APEX (EXCLUDING TIP)



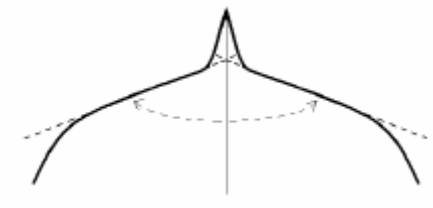
Acute



Right angled



Moderately obtuse



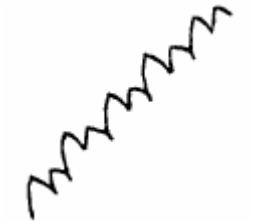
Strongly obtuse

INCISION OF MARGIN

Crenate

Bicrenate

Serrate



Biserrate

PETAL SHAPE

Broad elliptic

Semi circular

Oblate

FRUIT SKIN COLOR

Whitish

Yellowish

Yellow green

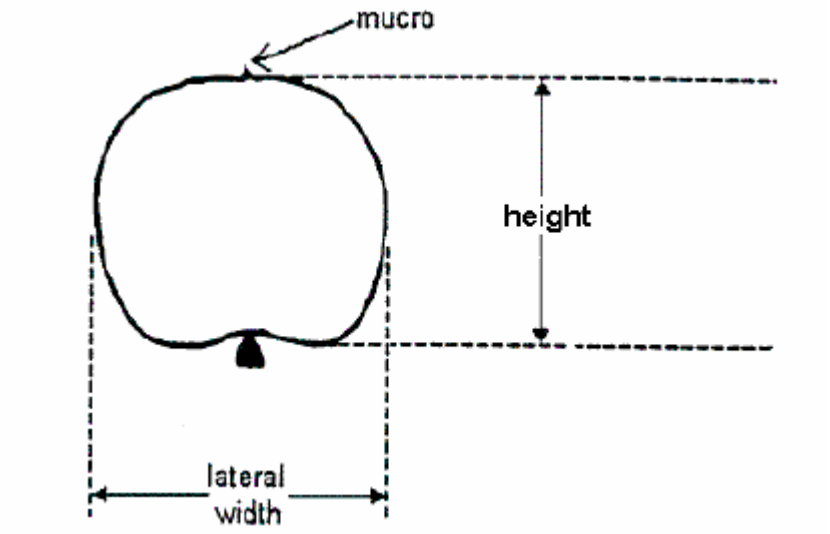
Light orange

Orange

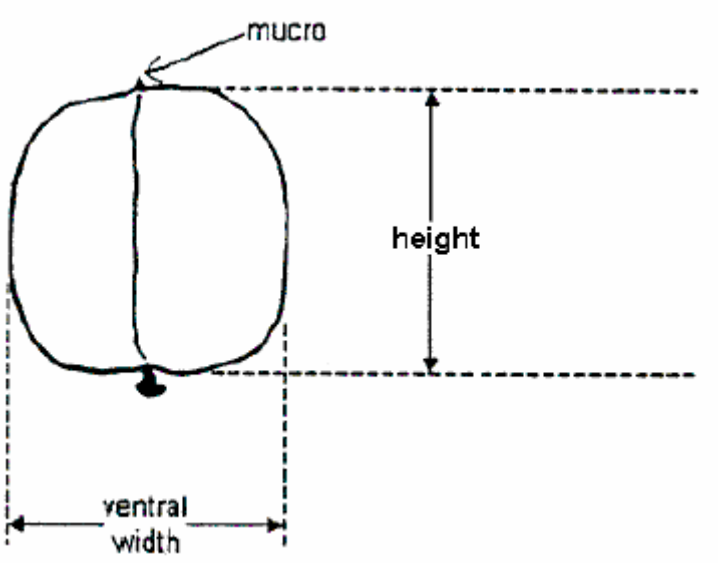
Reddish orange

Reddish orange

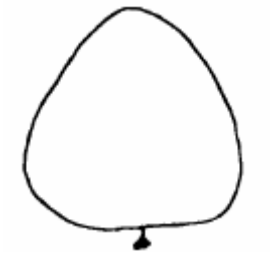
FRUIT SHAPE IN LATERAL VIEW



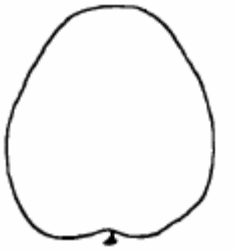
FRUIT SHAPE IN VENTRAL VIEW



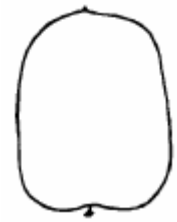
FRUIT SHAPE



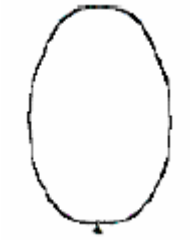
Triangular



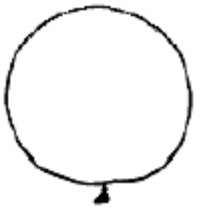
Ovate



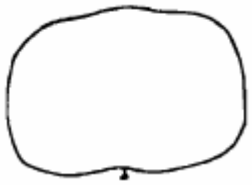
Oblong



Elliptic

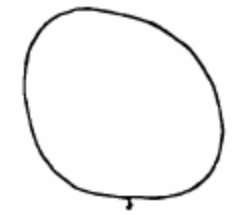


Circular



Oblate

Obovate



Oblique rhombic

SHAPE OF APEX

Acute

Rounded

Truncate

Retuse

SHAPE IN LATERAL VIEW