

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

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<u>GENERAL</u>					
Variety name	•••••				
Species	•••••				
Breeding center/institute					
Areas of adaptation					
Parentage					
Rootstock name					
Scion name					
Origin of rootstock					
Origin of scion					
Type of maintenance					
Type of vegetative					
production					
Scion/rootstock compatibility					
Flowering season/month					
Fruiting set					
Fruit ripening					
TREE CHARACTERISTICS					
Tree shape	Ellipsoid	□ Spheroid	□ Obloid		
Main branching attitude (at	\Box Upright	□ Spreading	□ Drooping		
full flowering, with no fruit at					
all)					
Young shoots anthocyanin	□ Absent	□ Present			
Height (m)					
ONE YEAR OLD SHOOT CI	HARACTERIS	TICS			
Attitude	Upright	□ Spreading	□ Drooping		
Shoot thickness (cm)		1 0	1 0		
Internode length (cm)					
LEAF CHARACTERISTICS					
Leaf shape	□ Elliptic	\Box Ovate \Box O	bovate 🗆 Lanceolate	Orbicular	□ Obcordate
Leaf blade in cross section	□ Straight				
Leaf lamina margin	\Box Crenate	□ Dentate	□ Entire □ Sinuate		
Leaf blade undulation	□ Absent	□ Present			
Leaf blade firmness	□ Weak	□ Medium	□ Strong		
Petiole development of wing	□ Absent	□ Rudimentary	□ Well developed		
Petiole wing shape		\Box Ob deltate			
Petiole width of wings	□ Small	□ Medium	□ Large		
Leaf lamina attachment	□ Sessile	□ Brevipetiolate	□ Longipetiolate		
		1			

FLOWER CHARACTERISTICS Terminal flowers buds □ Present □ Absent anthocyanin Flowers number of stamens □ Few □ Medium □ Many □ Complete □ Incomplete Style development □ Pale yellow Anther color □ White □ Yellow □ Clustered Inflorescence type \Box Single

FRUIT CHARACTERISTICS

Fruit size	🗆 Small	Medium	🗆 Large										
Fruit shape	□ Oblate	□ Globose	\Box Ovoid \Box El	lipsoid 🛛 Obovoid	Pyriform								
Fruit shape of basal end	□ Long necke	d 🛛 Short ne	ecked 🛛 🗆 Evenly	y rounded 🛛 🗆 Truncate	e 🗆 Moderately								
depressed													
Fruit shape of distal end	□ Depressed		□ Rounded	□ Slightly bulged	\Box Prominently bulged								

Citrus

Fruit surface color	\Box Green to yellow			-	Orange to red	Red
Fruit relief of surface		Ribbed	□ Bumpy	□ Wrinkled		
Conspicuous of rind oil	□ Conspicuous	\Box V. conspicu	lous			
glands		A a diama	Deneo			
Density of rind oil gland	1	Medium	□ Dense			
Fruit areola Fruit thickness of rind		Present Medium	Thial			
				Staan a	V strong	
Fruit adherence of rind to flesh		Weak 🗆 🗆	Medium 🗆	Strong	V. strong	
Color of albedo	U White	Graanish	Pinkish	D Daddich		
		Greenish Yellow		Reddish Pink		
Main color of flesh in cross section	\Box Pale green \Box	renow	□ Orange		\Box Red	
Distribution of red color		Even				
Structure of columella			Calid			
			□ Solid			
Diameter of columella		Medium	□ Large			
Number of segments		A. 1				
Fruit juiciness		Medium	□ Strong			
Color of juice	\Box L. green \Box Ye		ellow to orange		\Box Red to orange	\Box Red
Juice acidity		Low		🗆 High	\Box V. high	
Strength of fiber	\Box Weak \Box N	Medium	□ Strong			
SEED CHARACTERISTICS		a : 1		- D · 1		
Seed color (outer)	2	Greenish		□ Brownish		
Seed shape		lavate 🗆 Cu	neiform $\Box C$	Dvoid 🗆 Sen	ni deltoid \Box Sphere	51 d
	□ Semi spheroid					
Seed color (internal)		Brown				
Color of cotyledon		Green	\Box White to gre	en		
Seed polyembryony		Present		_		
Time of fruit maturity	\Box V. early \Box I	Early	□ Medium	\Box Late	\Box V. late	
			1 (* 1			
ENVIRONMENTAL ADAP				,		
Flowering Response to	\Box Stable \Box V	Variable 🗆	Highly variable	2		
seasons						
Drought tolerance	\Box Least tolerant	□ Medium	□ Most toleran	t		
(Measured as reduction in						
yield).						
	- T 1 .					
Tolerance to salinity	\Box Least tolerant	□ Medium	\square Most toleran	t		
(Measured by reduction in						
plant height 30 days after						
sowing).						
Tolerance to acid soils	□ Least tolerant	□ Medium	\square Most toleran	t		
(Measured as reduction in						
plant height 30 days after						
sowing).						
~	— т					
Cold tolerance	□ Least tolerant	□ Medium	\square Most toleran	t		
(Measured as reduction in						
general vigour and						
productivity after being						
continuously exposed to an						
average temperature of 15 °C						
for at least 15 days).						

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

RESISTANCE TO INSECTS/PESTS

RESISTANCE TO DISEASES

DISTINGUISHING CHARACTERISTICS

RECOMMENDED/APPROVED BY

Variety Evaluation Committee (VEC)	\Box Yes	🗆 No
Experts Sub Committee	\Box Yes	🗆 No
Provincial Seed Council	\Box Yes	🗆 No

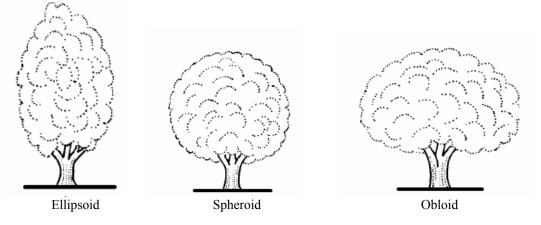
COMMENTS OF SPOT EXAMINATION

•••••	 •	••••••

ADDITIONAL INFORMATION

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TREE SHAPE



MAIN BRANCHES ATTITUDE (AT FULL FLOWERING, WITH NO FRUIT ON TREE)

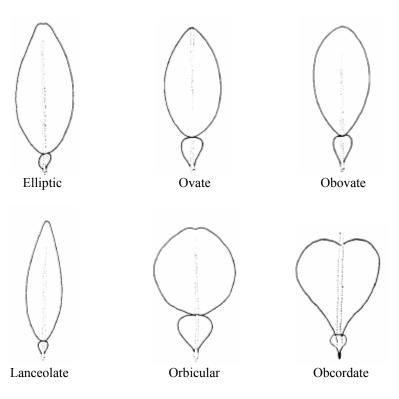




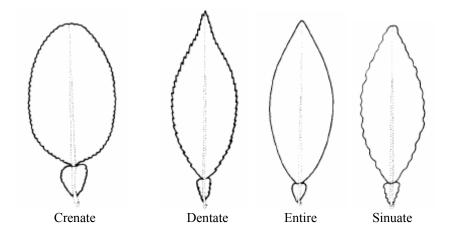
Drooping

Upright

Spreading



LEAF LAMINA MARGIN



LAMINA SHAPE

LEAF BLADE UNDULATION

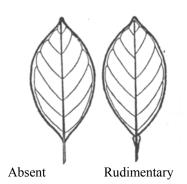


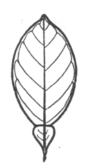
Absent



Present

PETIOLE DEVELOPMENT OF WING

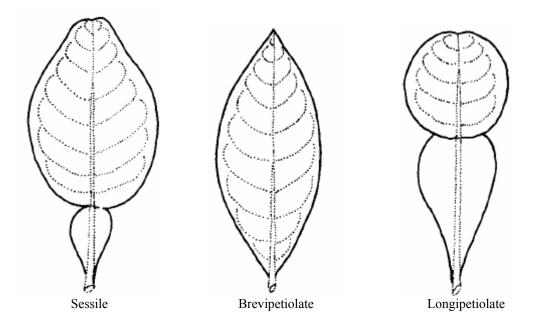




Well developed

PETIOLE WING SHAPE

LEAF LAMINA ATTACHMENT



STYLE DEVELOPMENT



Incomplete



Complete

FRUIT SHAPE



Oblate

Globose





Pyriform

FRUIT SHAPE OF BASAL END



Long necked



Short necked



Ellipsoid

Evenly rounded



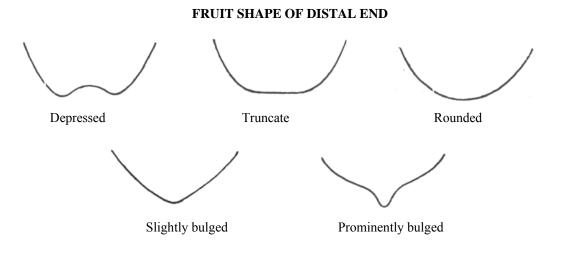
Truncate





Deeply depressed

Moderately depressed



RELIEF OF FRUIT SURFACE



Smooth

Ribbed



Bumpy



Wrinkled

STRUCTURE OF COLUMELLA



Hollow



Semi hollow



Solid

SEED SHAPE

