

GOVERNMENT OF PAKISTAN  
FEDERAL SEED CERTIFICATION & REGISTRATION DEPARTMENT  
MINISTRY OF FOOD AGRICULTURE & LIVESTOCK  
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**DESCRIPTOR**

**(MELLONS, WATER MELLONS, GOURDS, BITTER GOURD)**

**GENERAL**

Variety name

Parentage

Breeding center/institute

Origin

Breeding method

Areas of adaptation

Local

Exotic

Selection

Hybridization

Introduction

Any other

**SEEDLING CHARACTERISTICS**

Seedling height (cm) .....

Cotyledon color

Cotyledon size

Auxiliary bud pubescence

Green

Small

Absent

L. green

Medium

Sparse

Dark green

Large

Medium

Any other

Profuse

**PLANT CHARACTERISTICS**

Growth habit

Stem color

Stem type

Stem diameter (cm) .....

Stem hairiness

Internode length (cm) .....

Leaf color

Leaf pubescence

Leaf length (cm) .....

Leaf width (cm) .....

Leaf lobes

Leaf margins

Spreading

Green

Uneven

Absent

.....

Green

Absent

.....

.....

Deep

Smooth

Creeping

L. green

Smooth

Sparse

L. green

Sparse

Shallow

Dented

Dark green

Medium

Dark green

Medium

Narrow

.....

Profuse

Profuse

Broad

**FLOWER CHARACTERISTICS**

Flowering days .....

Flower color

No. of petals .....

Petal length (cm) .....

Stigma length (cm) .....

Stigma protrusion (mm) .....

.....

Yellow

.....

.....

.....

Cream/white

.....

.....

.....

Orange

.....

.....

.....

Any other

**FRUIT CHARACTERISTICS**

Days to fruiting .....

Fruiting duration .....

Fruit color

Flesh color

Fruit surface

Fruit length (cm) .....

Fruit diameter (cm) .....

Fruit shape

Stalk length (cm) .....

Fruit weight (kg) .....

Yield (kg/ha) .....

Green

White

Smooth

.....

.....

Round

.....

.....

L. green

Orange

Rough

.....

.....

Oblong

.....

.....

Dark green

Pink

Uneven/ribs/furrowed

.....

.....

Spindle

.....

.....

Yellow with streaks

Red

Etc.

.....

.....

Others

.....

.....

Others

Deep red

Descriptor

Mellons,Gourds, Bitter gourd

**QUALITY CHARACTERISTICS**

Taste .....  
Sugar content (%) .....  
Protein (%) .....  
Other

**SEED CHARACTERISTICS**

Seed shape	Oblong	Conical	Round with short beak	Round with long beak		
Seed color	White	Cream	Yellow	L. brown	Brown	Black
	Gray					
Seed length (mm)	.....					
Seed width (mm)	.....					
Seed thickness (mm)	.....					
100, seed weight (g)	.....					

**RESISTANCE TO INSECTS/PESTS AND DISEASE**

**DISTINGUISHING CHARACTERISTICS**