



## QUALITY STANDARDS

### SPECIFICATIONS FOR RIDGE GOURD (PNFPL0019)

Kali tori (Hindi), Heere kaayi (Kannada), Pirkkankai (Tamil), Beerakai (Telugu)

#### 1. GENERAL CHARACTERISTICS

Ridge gourd shall be fresh, clean, firm, tender and long shape and shall have green/light green color with vertical ridges on surface characteristics of variety. Ridge gourd shall be free from bruises, sunburn, cuts/crack, dry scaling and any type of damage caused by packing, pressure and mechanical means. Ridge gourd shall not be slanky, broken, puffy, misshape and mature. Ridge gourd shall be sound and free from fungal infection, rotting, insect and disease infestation.

#### 2. SAMPLING PLAN

Sampling plan-B will be followed for sampling and quality inspection of Ridge gourd.

#### 3. GRADES

There shall be three Grades for Ridge gourd viz., Grade-A, Grade-B and Grade-C. The size requirement for these grades shall be as follows:

#### 4. SIZE

	GRADE-A	GRADE-B	GRADE-C
Diameter (mm)	40-60	> 60	Any size with defects
Length (mm)	Any length	Any length	

Document No.	QSCV / (051)	Date of Issue.	01.02.2021
Date of Revision		Revision No	
Prepared by (Signature)		Approved by (Signature)	

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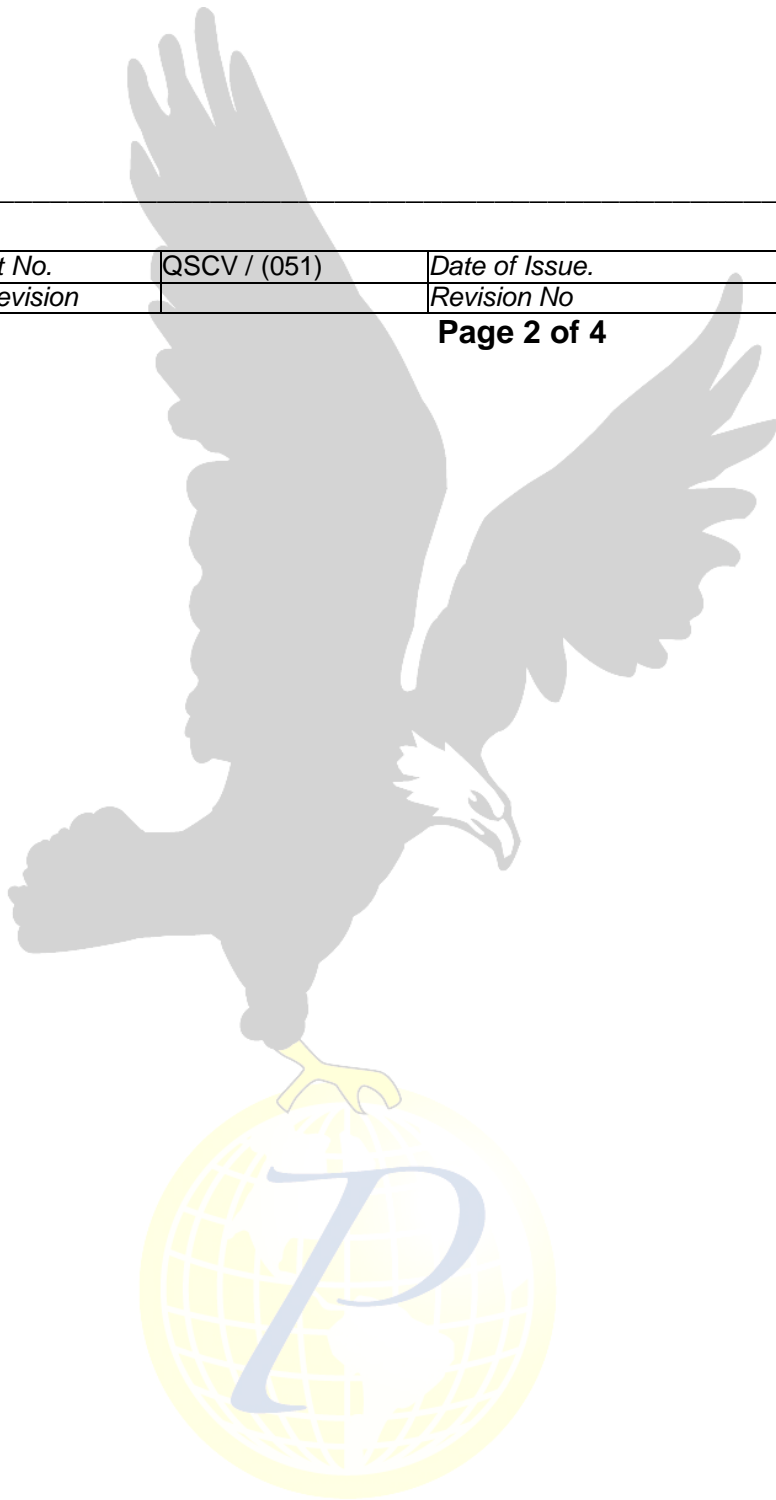
**5. QUALITY PARAMETERS**

<b>DEFECTS</b>	<b>GRADE-A</b>	<b>GRADE-B</b>	<b>GRADE-C</b>
BRUISES	Allowed up to 5% surface area	Allowed up to 10% surface area	Allowed up to 20% surface area
MISSHAPE	Not allowed	Allowed (slight misshape)	Allowed
SUN BURN	Not allowed	Allowed up to 5% surface area	Allowed up to 20% surface area
BROKEN	Not allowed	Allowed up to 10% of total length	Allowed
CUT/CRACK	Not allowed	Allowed deep cut /crack up to 2 cm long	Allowed
PRESSURE DAMAGE	Not allowed	Not allowed	Allowed
INSECT DAMAGE	Not allowed	Not allowed	Allowed
MECHANICAL DAMAGE	Not allowed	Allowed up to 2 sq. cm. surface area	Allowed up to 4 sq.cm surface area
SOFT/PUFFY	Not allowed	Allowed (slight soft/puffy)	Allowed
BROWN RIDGES	Not allowed	Allowed	Allowed
DRY SCALING	Not allowed	Allowed	Allowed
SLANKY	Not allowed	Not allowed	Allowed
DISEASED	Not allowed	Not allowed	Not allowed
ROTTING/ FUNGAL INFECTED	Not allowed	Not allowed	Not allowed

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## 6. GRADES AND CRITERIA FOR CHECKING

DEFECTS	GRADE-A			GRADE-B			GRADE-C		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
BRUISES	5-10% surface area	>10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.	N.A.	>20% surface area	N.A.
MISSHAPE	Slight misshape	Allowed	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
SUN BURN	up to 5% surface area	>5% surface area	N.A.	5-10% surface area	>10% surface area	N.A.	N.A.	>20% surface area	N.A.
BROKEN	up to 10% of total length (Broken tip is not a defect)	>10% of total length	N.A.	10-30% of total length	>30% of total length	N.A.	N.A.	N.A.	N.A.
CUT/CRACK	Deep cut/crack up to 2 cm long	Deep cut /crack > 2cm long	N.A.	Deep cut / crack up to 2-4 cm long	Deep cut /crack > 4cm long	N.A.	N.A.	N.A.	N.A.
PRESSURE DAMAGE	up to 10% surface area	>10% surface area	N.A.	up to 20% surface area	>20% surface area	N.A.	N.A.	N.A.	N.A.
INSECT DAMAGE	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.
MECHANICAL DAMAGE	up to 2 sq. cm. surface area	>2 sq. cm. surface area	N.A.	2-4 sq. cm. surface area	>4 sq. cm. surface area	N.A.	N.A.	> 4 sq.cm surface area	N.A.
SOFT/PUFFY	Slight soft/puffy	Allowed	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
BROWN RIDGES	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DRY SCALING	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SLANKY	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.
DISEASED	N.A.	N.A.	Incidental case up to 1% in a lot	N.A.	N.A.	Incidental case up to 2% in a lot	N.A.	N.A.	up to 5% in a lot
ROTTING/ FUNGAL INFECTED	N.A.	N.A.	Incidental case up to 1% in a lot	N.A.	N.A.	Incidental case up to 2% in a lot	N.A.	N.A.	up to 5% in a lot

**N.A. - Not Applicable**

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**NOTE:**

1. Percentage of defects allowed or disallowed in a particular grade will be determined based on weight in a sample lot.
2. More than one defect in an individual piece will be considered as major defect.
3. Extent of defect not covered in minor, major & serious categories of Grade A, B & C means it is allowed in that particular grade.

**7. DEFECT & SIZE TOLERANCE (BY WEIGHT)**

<b>DEFECT TOLERANCE</b>	<b>GRADE-A</b>	<b>GRADE-B</b>	<b>GRADE-C</b>
MINOR DEFECTS	10%	20%	100%
MAJOR DEFECTS	2%	10%	50%
SERIOUS DEFECTS	1%	2%	5%
<b>SIZE TOLERANCE</b>	<b>10%</b>	<b>20%</b>	<b>N.A.</b>

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