REFERENCES

4.0 BERRY CHARACTERS (continued)

- Average petiole length: 26 mm (1.0 inch)
- Mesocarp (flesh) thickness: 0.04 mm (0.0016 inch)
- Placenta development: ½ berry cavity
- Number of locules: 3
- Aroma by sense of smell: high
- Pungency (hotness): high

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Plate 9: Cross and longitudinal sections of berry

Descriptors for the hot pepper variety "Moruga Red"
4.0 BERRY CHARACTERS (continued)

- Shape of fully ripe berry: round
- Exocarp texture: smooth
- Average length of berries: 39 mm (1.5 inch)
- Average width of berries: 40 mm (1.6 inch)
- Average weight of 10 random berries: 18g (0.65 oz)
- Number of berries in a kg: 67 (28/lb)
- Berry aspect: pendant

Plate 8: Colour of fully ripe mature berry: red

Preface

This document is intended to give an abridged version of the International Plant Genetic Resources Institute (IPGRI) “Descriptors for Capsicum 1995”. It is hoped that farmers and seed handlers will readily recognise the improved hot pepper landrace, Moruga Red (Capsicum chinense Jacq var Moruga Red), from the images and descriptions herein.

The booklet was deliberately made to be user friendly by limiting the number of attributes of plant and berries to 35. The definitions of the attributes were mainly adopted from the IPGRI Descriptors.

The Authors
December 2010
1.0 SEEDLING STAGE

- Epicotyl colour: white
- Hypocotyl colour: cream
- Cotyledon colour: creamish
- Seedling hairiness: very hairy

Plate 1: Seedling

4.0 BERRY CHARACTERS

Plate 6: Colour of immature berry: green

Plate 7: Colour of turning berry: green-orange
3.0 FLOWER CHARACTERS

- Petal colour: off white
- Anther colour: bluish
- Position of stigma in mature flower: inserted
- Flower position upon fertilisation: pendant

Plate 5: Moruga Red flower

2.0 ADULT PLANT

- Average plant height: 88 cm (35 inches)
- Average plant width: 93 cm (37 inches)

Plate 2: Four months after transplanting
Average number of lateral branches per plant: 3
Stem Hairiness: smooth
Stem colour: greenish brown
Main stem diameter: 23 mm (1 inch)
Stem cross-section: round

Plate 3: Leaf shape: ovate

Plate 4: Average angle between lateral and main branches: Acute (less than 90)