

APPLICATION # _____
(For CSGA Office Use)

VARIETY NAME: _____ CORN

APPENDIX 1.1

**CORN Variety Description
for CSGA Variety Certification Eligibility APPLICATION**
VARIETY DESCRIPTION

Complete sections 1.0 to 5.0 below or an equivalent variety description that includes the characteristics of this variety's plants and seeds that distinguish it from other varieties. For multiple choice options, **circle** or **bold** the selected characteristic.

1.0 Inbred Combinations

- | | | |
|--------------------------|-----------------------------|---------------------|
| 1. Single cross | 2. Double cross | 3. Three-way cross |
| 4. Modified single cross | 5. Modified three-way cross | 6. Others (specify) |

2.0 Plant Characteristics**2.1 Tillers:** in the 4 to 5 leaf stage, before tasselling

- | | | |
|----------------------------------|------------------------------------|----------------------------------|
| 1. NO tillers | 2. 1-10% of plants with tillers | 3. 10-50% of plants with tillers |
| 4. 50-75% of plants with tillers | 5. over 75% of plants with tillers | |

2.2 Tassels

a) Colour of glumes of the tassel florets (once all florets have emerged)

- | | | | | |
|----------|--------------|--------|-----------------|-----------|
| 1. green | 2. light red | 3. red | 4. light purple | 5. purple |
|----------|--------------|--------|-----------------|-----------|

b) Colour of glume bands of tassel florets (glume band is the slightly swollen end of floret branch to which the floret glume base is attached)

- | | | | |
|----------|--------------|--------|-----------|
| 1. green | 2. light red | 3. red | 4. purple |
|----------|--------------|--------|-----------|

2.3 Anthers

a) Fertility of anthers

- | | |
|---------------------|---------------------------|
| 1. normal cytoplasm | 2. male sterile cytoplasm |
|---------------------|---------------------------|

b) If # 2 (male sterile cytoplasm) in 2.3 a) above, pollen restorer was:

- | | |
|---------|-------------|
| 1. used | 2. not used |
|---------|-------------|

c) Colour of anthers

- | | | | |
|-----------|-----------------|-----------|-------------------|
| 1. yellow | 2. light purple | 3. purple | 4. purplish-brown |
|-----------|-----------------|-----------|-------------------|

2.4 Silks Colour (when fully extended, but before drying begins)

- | | | | | | |
|---------------|-----------|------------|--------|-------------|-----------|
| 1. pale green | 2. salmon | 3. reddish | 4. red | 5. purpling | 6. purple |
|---------------|-----------|------------|--------|-------------|-----------|

2.5 Leaves Number of leaves on the main stem (after tasselling) _____**2.6 Ears**a) Height of insertion of the ear (lowest ear on main stem, measured from soil level)
_____ (Height in cm)

- b) Attitude of ear at dry husk stage
 1. upright 2. horizontal 3. drooping
- c) Percentage of plants with ear wings (leaf-like out-growths on the tips of ear husks)
 _____ (%)
- d) If ear wings reported in c) above, what size
 1. small (1-5 cm long) 2. medium (6-10 cm long) 3. large (longer than 10 cm)
- e) Length of the ears
 1. short (or measurement in cm) 2. medium (or cm) 3. long (or cm)
- f) Number of kernel rows
 1. 8-12 2. 14-16 3. 18-20 4. over 20
- g) Shape of the ear:
 1. Cylindrical 2. Slightly tapering 3 Tapering
 If mixed types, approximate percentage of each type.

- 2.7 Cobs** Colour
 1. white 2. pink 3. red 4. dark red 5. others (specify)

2.8 Kernels (at maturity)

- a) Type
 1. flint 2. flint-dent 3. dent
- b) Colour of kernel Crown
 1. white 2. yellow 3. bright yellow
 4. dark yellow 5. reddish 6. others (specify)
- c) Colour of kernel Body
 1. white 2. light yellow 3. bright yellow
 4. dark yellow 5. reddish 6. others (specify)

2.9 Brace Roots (absent or present)

- Colour, if present:
 1. green 2. slightly reddish 3. dark red

3.0 Maturity (e.g. corn Heat Units or No. of days to maturity)

Heat Units	Less than 2400	2400 to 2600	2600 to 2800	2800 to 3000	3000 to 3200	3200 to 3400	over 3400
No. of Days	Less than 65	65 to 74	75 to 84	85 to 94	95 to 104	105 to 110	over 110
Maturity	very early	early	med. early	medium	med. late	late	very late

Other

4.0 Variants and Acceptable Levels: _____

5.0 Off-Types: _____
