U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY
Cowpea (*Vigna unguiculata* L.(Walp.))

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME

ADDRESS *(Street and No. or RD No., City, State, and Zip Code, Country)*	FOR OFFICIAL USE ONLY
	PVPO NUMBER

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal characters typical of this variety in the spaces below.
Place a zero in the first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. PLANT HABIT AT GREEN SHELL STAGE:
[ ] 1= Erect 2 = Semierect 3 = Procumbent 4 = Prostrate

2. PLANT SIZE:
[ ] cm High at Maturity

3. STEM COLOR:
[ ] 1= Green 2 = Purple

4. NODE COLOR:
[ ] 1= Green 2 = Purple

5. FOLIAGE:
[ ] 1= Open 2 = Compact

6. LEAF COLOR:
[ ] 1= Light Green 2 = Medium Green 3 = Dark Green

7. LEAF SURFACE:
[ ] 1 = Smooth 2 = Blistered
[ ] 1 = Dull 2 = Glossy

8. FLOWER COLOR:
[ ] 1 = Purple 2 = Lavender 3 = Tinged 4 = White

9. FIRST FLOWERING:
[ ][ ] Number of Days

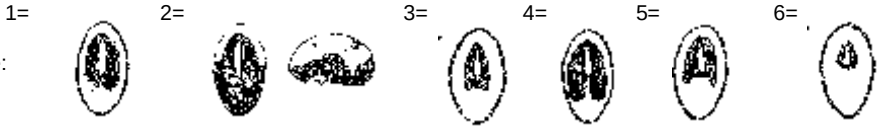
10. POD:
[ ] Placement: 1 = Below Foliage 2 = Above Foliage 3 = At Foliage Level
[ ] Location: 1 = Scattered 2 = Bunched
[ ][ ] cm Long [ ][ ] mm Wide
[ ] Curverature 1 = Straight 2 = Curved
[ ] Constrictions: 1 = None 2 = Slight 3 = Deep
[ ] Surface (Green shell maturity) 1 = Dull 2 = Glossy
[ ] Color (Green Shell Maturity): 1 = Silver-green 2 = Green 3 = Light Purple 4 = Dark Purple
[ ] Color (Dry maturity): 1 = White 2 = Straw 3 = Drab 4 = Purple
[ ] Cross Section (Green Shell Stage Width/Height): 1 = (1: <) 2 = (1: >) 3 = (1:1)

11. SEED:

☐☐ Number of Seeds Per Pod Shape (see Page 3) 1 = Kidney 2 = Ovate to Ovoid 3 = Crowder 4 = Globose 5 = Rhomboid

☐☐ mm Long

☐☐ mm Wide ☐ Hilar Eye Type:



SPECKLED BLOTCH NARROW BIG SMALL VERY SMALL

☐☐☐ gm per 1000 Seeds

☐ Coat: 1 = Wrinkled 2 = Smooth

☐ Color Pattern: 1 = Single Color 2 = Patterned 3 = Marbled 4 = Speckled

☐ Primary Color (Single Color or Basic Color): 1 = Purple 2 = Black 3 = Dull Black 4 = Blue 5 = Red 6 = Coffed 7 = Maroon 8 = Buff or Clay 9 = Pink 10 = White

SECONDARY COLORS PRODUCING THE PATTERN, MARLBLING OR SPECKLING (Enter a zero in boxes where the colors do not identify the secondary colors.):

☐ 1 = Purple ☐ 2 Black ☐ 3 = Dull Black ☐ 4 = Blue ☐ 5 = Red

☐ 6 = Coffee ☐ 7 = Maroon ☐ 8 = Buff ☐ 9 = Pink ☐ 0 = White

12. DISEASE RESISTANCE (0 = Untested; 1 = Susceptible; 2 = Resistant):

☐ Fusarium Wilt	☐ Root Know Nematode	☐ Charcoal Rot	☐ Zonate Leaf Spot
☐ Red Leaf Spot	☐ Powdery Mildew	☐ Cowpea Chlorotic Mottle Virus	☐ Southern Bean Mosaic Virus
☐ Bean Yellow Mosaic Virus	☐ Cucumber Mosaic Virus	☐ Bean Pod Mottle Virus	☐ Soybean Cyst Nematode
☐ Cowpea Yellow Mosaic Virus	☐ Bacterial Canker	☐ Cercospora Leaf Spot	☐ Sting Nematode
☐ Rust	☐ Southern Blight	☐ Root Rot	☐ Other (Specify) _____

13. INSECT:

☐ Mexican Bean Beetle	☐ Cowpea Aphid	☐ Cowpea Curculio	☐ Stink Bugs
☐ Lesser Cornstalk Borer	☐ European Cornborer	☐ Corn Earworm	☐ Beet Armyworm
☐ Thrips	☐ Serpentine Leaf Miners	☐ Other (Specify) _____	

14. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLE THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant size		Plant habit	
Pod size		Plant pigmentation	
No. days to maturity		Seed coloration	

Instructions

GENERAL: The following publications may be used as a reference aid for completing this form:

1. C. V. Piper, 1912, *Agricultural Varieties of Cowpea and Related Species*, U.S.D.A., Bulleting No. 229.
2. L. L. Ligon, 1958, *Characteristics of Cowpea Varieties*, Oklahoma State University, Bulleting B-518.
3. W. J. Spillman and W. J. Sando, 1929, *Mendelian Factors in the Cowpea*, papers of the Michigan Academy of Science Arts and Letters, Vol XI.

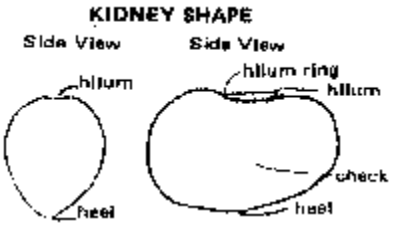
LEAF COLOR: Any recognized color chart may be used to determine the leaf color of the described variety. The following cowpea varieties may be used as a guide to identify colors listed:

1. Light Green – Texas Cream 40 2. Medium Green – Big Boy 3. Dark Green – California Blackeye #5.

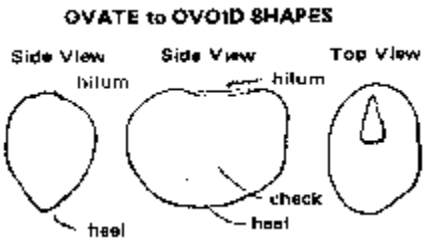
FLOWER COLOR: White flower should be treated with a one percent solution of hydrochloric acid to determine if anthocyanin is present. If color appears as a result of the test, classify as tinged.

TERMS USED TO DESCRIBE SHAPES:

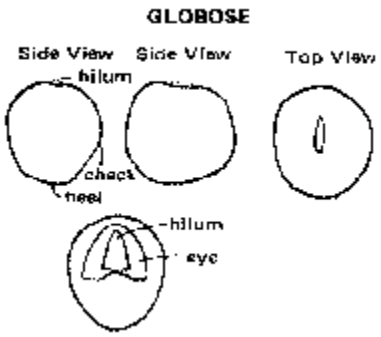
KIDNEY SHAPE

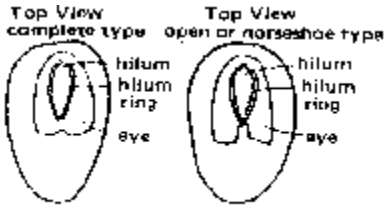


OVATE to OVOID SHAPES

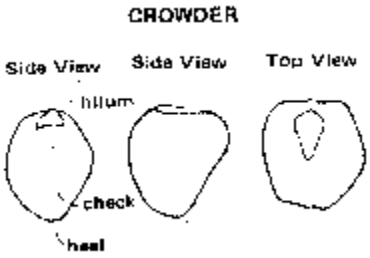


GLUBOSE





CROWDER



RHOMBOID