

**DATA ON NEW VARIETY FOR CERTIFICATION**

1. Variety name or temporary designation: \_\_\_\_\_  
(Variety - Kind)

2. By whom selection was made \_\_\_\_\_  
(Breeder) (Applicant or Sponsor's Name & Address)

3. Cross from which first selected \_\_\_\_\_

4. Location and year of selection \_\_\_\_\_

5. Number of years tested and location of test \_\_\_\_\_

6. Breeding procedure used in its development \_\_\_\_\_

7. Area(s) of adaptation \_\_\_\_\_

8. Procedure for maintaining Stock Seed Classes and number of generations variety may be multiplied \_\_\_\_\_

9. Description of the manner in which the variety is constituted when a particular cycle of reproduction or multiplication is specified \_\_\_\_\_

10. Additional restrictions on the variety, specified by the breeder, with respect to geographic area of seed production, age of stand, or other factor affecting genetic purity \_\_\_\_\_

11. A sample of seed representative of the variety as marked submitted? \_\_\_\_yes \_\_\_\_no

12. Will application be made to plant variety protection office? \_\_\_\_yes \_\_\_\_no

13. Will application specify the variety to be sold only as a class of certified seed (Title V Option)? \_\_\_\_yes \_\_\_\_no

14. Will application specify the variety be limited as to number of generations? \_\_\_\_yes \_\_\_\_no

15. If "YES" which classes of production beyond Breeder Seed? \_\_\_\_ Foundation \_\_\_\_ Registered \_\_\_\_ Certified

16. Distinguishing Characteristics of Morphology and Physiology:

A. SOYBEANS

- 1. Hilum color \_\_\_\_\_
- 2. Flower color \_\_\_\_\_
- 3. Hypocotyl color \_\_\_\_\_
- 4. Plant pubescence color \_\_\_\_\_
- 5. Seed shape \_\_\_\_\_
- 6. Seed coat color \_\_\_\_\_
- 7. Seed coat luster \_\_\_\_\_
- 8. Leaflet shape \_\_\_\_\_
- 9. Leaf color \_\_\_\_\_
- 10. Pod color \_\_\_\_\_
- 11. Plant height \_\_\_\_\_
- 12. Plant habit \_\_\_\_\_
- 13. Plant type \_\_\_\_\_
- 14. Maturity group \_\_\_\_\_
- 15. Relative maturity \_\_\_\_\_
- 16. Peroxidase reaction \_\_\_\_\_
- 17. Seed size \_\_\_\_\_  
(grams/100 seeds)

B. WHEAT, OATS & RICE (where applicable)

- 1. Grain type \_\_\_\_\_
- 2. Plant height \_\_\_\_\_
- 3. Plant color at booting \_\_\_\_\_
- 4. HEAD:
  - a. Density \_\_\_\_\_
  - b. Awnedness \_\_\_\_\_
  - c. Color \_\_\_\_\_
  - d. Length \_\_\_\_\_
- 5. Apiculus color \_\_\_\_\_
- 6. Maturity \_\_\_\_\_
- 7. Leaves \_\_\_\_\_
- 8. Seed shape \_\_\_\_\_
- 9. Seed color \_\_\_\_\_
- 10. Phenol reaction \_\_\_\_\_
- 11. Coleoptile color \_\_\_\_\_
- 12. Fluorescence reaction \_\_\_\_\_
- 13. Seed size \_\_\_\_\_  
(grams/1,000 seeds)

17. Disease Reactions-include all diseases tested for (Susceptible or Resistant) \_\_\_\_\_

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18. Describe the number per pound or percent and kinds of variants, eg. hilum color, hypocotyl color, peroxidase reaction, phenol reaction, etc. \_\_\_\_\_

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SIGNED \_\_\_\_\_ DATE \_\_\_\_\_