



**4. MATURITY:**

Season:  1 = Very Early (Raja)      2 = Early (Noralta)      3 = Medium-Late (Bison)      4 = Late (Dufferin)

Determine number of days from seeding date to each maturity stage below. If fall sown, determine days from January 1 instead of from seeding date.

Days to First Bloom (10% Plants in Flower):

Days Earlier Than

Same as

Days Later Than

Comparison Variety

Days to Last Bloom (90% Plants Have Ceased Flowering)

Days to Capsule Maturity (90% Capsules Brown)

Days to Mid-bloom (50% Plants in Flower):

Days Earlier Than

Same as

Days Later Than

Comparison Variety

Days Earlier Than

Same As

Days Later Than

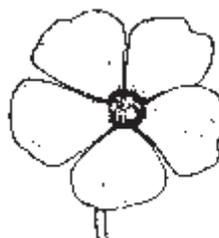
Comparison Variety

**5. FLOWER:** (Observe Fresh, Fully Open Flowers)

Shape:



1 = Funnel



2 = Disk



3 = Star

4 = Other (Specify) \_\_\_\_\_

Corolla Diameter (Measured Before or During Mid-bloom):

mm

Petal Length and Width (Measured Before or During Mid-bloom):

mm Long

mm Wide

Petal Color (Observe Early to Midmorning):

Veins

1 = Blue

2 = White (No Color in HCL)

Vein Chart Color No. \_\_\_\_\_

Intervenia

3 = Pink

4 = Other (Specify) \_\_\_\_\_

Intervenium Color Chart No. \_\_\_\_\_

Veins – Intervenia Color Comparison:

1 = Veins Darker

2 = No Difference

3 = Veins Lighter

Sepal Spotting

0 = Absent

1 = Present

The following characters should be observed between midmorning and early afternoon in full sun.

Filament Color:

1 = Blue with White

2 = White Only

Anther Color:

1 = Blue

2 = Yellow

Style Color:

1 = Blue with White

2 = White Only

Stigma Color:

1 = Purple

2 = Pink

3 = White

6. POLLEN:

Color: 1 = Blue 2 = Yellow

7. CAPSULE: (At Maturity)

Dehiscence: 1 = Indehiscent (Dunes) 2 = Semidehiscent (Bison)

False Septa Width:  .  mm

False Septa Ciliation: 0 = Absent 1 = Present

True Septa Width:  .  mm

8. SEED: (At Maturity)

Color: 1 = Brown (Bison) 2 = Yellow (Foster) 3 = Greenish-Yellow (CI 1798)  
4 = Greenish-Brown (CI 479) 5 = Other (Specify) \_\_\_\_\_

Size: 1 = Small (Noralta) 2 = Medium (Linott) 3 = Large (Bison)

.  mm Long  .  mm Wide Weight:   .  g/1000 Seeds

Percent of Oil (of Oven-dry, Mature Seed):   .  % Indicate Number of Tests:

Indicate Test Method: \_\_\_\_\_

.  % Lower Than   }  
Same as   } Comparison Variety  
  .  % Higher Than   }

9. SEED OIL:

Iodine Number:     Indicate Number of Tests:    
  Lower Than   }  
Same as   } Comparison Variety  
  Higher Than   }  
Indicate Test Method: \_\_\_\_\_

10. DISEASE AND PEST REACTIONS: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

Flax Rust (*Melampsora lini*) Gene(s) \_\_\_\_\_ resistant to the following race groups:  
Argentine \_\_\_\_\_ Etyptian \_\_\_\_\_ North American \_\_\_\_\_  
Australian \_\_\_\_\_ European \_\_\_\_\_

Flax wilt (*Fusarium lini*) Location of Wilt Nursery:  
 Fargo, ND \_\_\_\_\_ St. Paul, MN \_\_\_\_\_ Morden, Manitoba \_\_\_\_\_  
 Brookings, SD \_\_\_\_\_ St. Paul, MN II \_\_\_\_\_

Pasma (*Mycosphaerella linorum*)  Nematodes (Specify Genera) \_\_\_\_\_  
 Anthracnose (*Colletotrichum lini*)  Other Disease (Specify) \_\_\_\_\_  
 Browning, Stem Break (*Polyspora lini*)  Other Disease (Specify) \_\_\_\_\_  
 Damping Off (*Rhizoctonia solani*)  Insects (Specify) \_\_\_\_\_

**11. STRESS TOLERANCE:** (Provide Substantiating Evidence in Exhibit D)

Herbicide Tolerance to (Specify) \_\_\_\_\_

More than Variety \_\_\_\_\_

Same As Variety \_\_\_\_\_

Less Than Variety \_\_\_\_\_

Cold Tolerance

More than Variety \_\_\_\_\_

Same As Variety \_\_\_\_\_

Less Than Variety \_\_\_\_\_

Seedling Chlorosis Tolerance

More than Variety \_\_\_\_\_

Same As Variety \_\_\_\_\_

Less Than Variety \_\_\_\_\_

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**12. ADDITIONAL INFORMATION:** (PROVIDE ANY ADDITIONAL INFORMATION WHICH MAY BE USEFUL IN PROVIDING A THOROUGH DESCRIPTION OF THE APPLICATION AND COMPARISON VARIETY).