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

EXHIBIT C

OBJECTIVE DESCRIPTION OF VARIETY

**Coreopsis**  
 (Coreopsis spp.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
FIELD TRIAL LOCATIONS IN DECIMAL DEGREES (DD) LOCATION <span style="margin-left: 200px;">LATITUDE</span> <span style="margin-left: 200px;">LONGITUDE</span>		

**Morphology:**

I. PLANT:

1. \_\_\_\_\_ Plant Growth Habit:



1. Upright



2. Semi-Upright



3. Semi-Spreading



4. Spreading

I. PLANT: (continued)

2. \_\_\_\_\_ Plant Height:

1. Very Short

2. Very Short to Short

3. Short

4. Short to Medium

5. Medium

6. Medium to Tall

7. Tall

3. \_\_\_\_\_ Plant Height (cm)

4. \_\_\_\_\_ Plant Width:

1. Very Narrow

2. Very Narrow to Narrow

3. Narrow

4. Narrow to Medium

5. Medium

6. Medium to Broad

7. Broad

5. \_\_\_\_\_ Plant Width (cm)

6. \_\_\_\_\_ Plant Density:



2. Sparse



3. Medium

1. Very Sparse



4. Dense

5. Very Dense

II. LEAF:

1. \_\_\_\_\_ Leaf Type:



1. Simple



2. Simple and Divided

3. Divided

2. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Length:

1. Very Short

2. Very Short to Short

3. Short

4. Short to Medium

5. Medium

6. Medium to Long

7. Long

II. LEAF: (continued)

3. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Length (cm)

4. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Width:

- |                     |                          |                    |
|---------------------|--------------------------|--------------------|
| 1. Very Narrow      | 2. Very Narrow to Narrow | 3. Narrow          |
| 4. Narrow to Medium | 5. Medium                | 6. Medium to Broad |
| 7. Broad            |                          |                    |

5. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Width (cm)

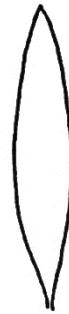
6. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Length/Width Ratio:



1. Very Low

2. Very Low to Low

3. Low



4. Low to Medium

5. Medium

6. Medium to High



7. High

7. \_\_\_\_\_ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Length/Width Ratio

8. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length:

- |                    |                        |                   |
|--------------------|------------------------|-------------------|
| 1. Very Short      | 2. Very Short to Short | 3. Short          |
| 4. Short to Medium | 5. Medium              | 6. Medium to Long |
| 7. Long            |                        |                   |

9. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length (cm)

II. LEAF: (continued)

10. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Width:

1. Narrow

2. Medium

3. Broad

11. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Width (cm)

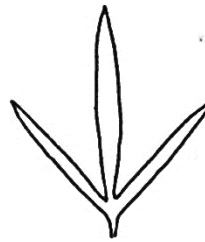
12. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length/Width Ratio:



1. Very Low

2. Very Low to Low

3. Low



4. Low to Medium

5. Medium

6. Medium to High



7. High

13. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length/Width Ratio

14. \_\_\_\_\_ Leaf Main Color:

1. Yellow Green

2. Light Green

3. Medium Green

4. Dark Green

## II. LEAF: (continued)

15. \_\_\_\_\_ Leaf: Distribution of Secondary Color:



1. None



2. On Margin



3. Marginal Zone



4. Irregular

16. \_\_\_\_\_ Leaf Secondary Color:

1. Whitish

2. Light Yellow

3. Medium Yellow

4. Yellow Green

17. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length of Terminal Leaflet:

1. Very Short

2. Very Short to Short

3. Short

4. Short to Medium

5. Medium

6. Medium to Long

7. Long

18. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length of Terminal Leaflet (cm)

19. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Width of Terminal Leaflet:

1. Very Narrow

2. Very Narrow to Narrow

3. Narrow

4. Narrow to Medium

5. Medium

6. Medium to Broad

7. Broad

20. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Width of Terminal Leaflet (cm)

II. LEAF: (continued)

21. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length/Width Ratio of Terminal Leaflet:

1. Very Low

2. Very Low to Low

3. Low



4. Low to Medium

5. Medium

6. Medium to High



7. High

22. \_\_\_\_\_ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length/Width Ratio of Terminal Leaflet (cm)

23. \_\_\_\_\_ Leaf Glossiness:

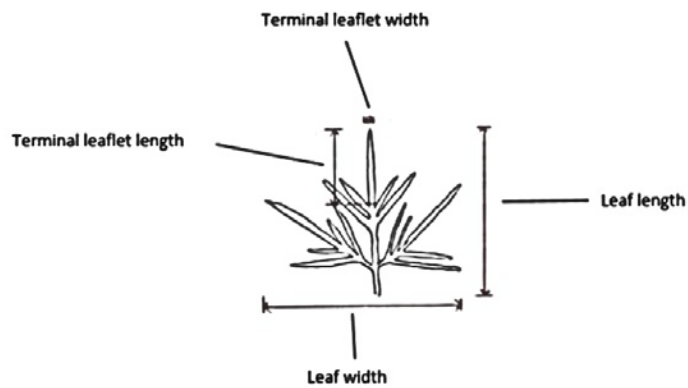
1. Absent or Very Weak

2. Weak

3. Medium

4. Strong

5. Very Strong



III. PEDUNCLE:

1. \_\_\_\_\_ Peduncle Length:

1. Very Short

2. Very Short to Short

3. Short

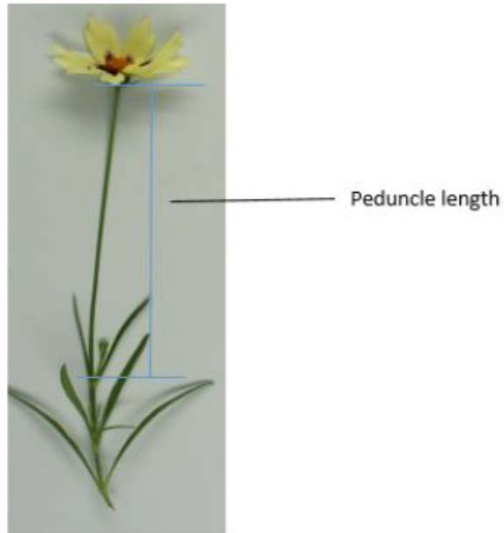
4. Short to Medium

5. Medium

6. Medium to Long

7. Long

2. \_\_\_\_\_ Peduncle Length (cm)



IV. FLOWER HEAD:

1. \_\_\_\_\_ Flower Head Position Relative to Foliage:



1. Below and at Same Level



2. Slightly Above



3. Moderately Above

4. Far Above

IV. FLOWER HEAD: (continued)

2. \_\_\_\_\_ Flower Head Type:



1. Single



2. Semi-Double



3. Double

3. \_\_\_\_\_ Flower Head Diameter:

1. Very Small

2. Very Small to Small

3. Small

4. Small to Medium

5. Medium

6. Medium to Large

7. Large

4. \_\_\_\_\_ Flower Head Diameter (cm)

5. \_\_\_\_\_ Only Varieties with Flower Head Type: Single or Semi-Double: Flower Head: Number of Ray Florets:

1. Very Few

2. Few

3. Medium

4. Many

5. Very Many

V. RAY FLORET:

1. \_\_\_\_\_ Ray Floret: Attitude of Basal Part:



1. Strongly Ascending



2. Moderately Ascending



3. Weakly Ascending



4. Horizontal



5. Weakly Descending



6. Strongly Descending

2. \_\_\_\_\_ Ray Floret Length:

1. Very Short

2. Very Short to Short

3. Short

4. Short to Medium

5. Medium

6. Medium to Long

7. Long

3. \_\_\_\_\_ Ray Floret Length (cm)

4. \_\_\_\_\_ Ray Floret Width:

1. Narrow

2. Medium

3. Broad

5. \_\_\_\_\_ Ray Floret Width (cm)



V. RAY FLORET: (continued)

6. \_\_\_\_\_ Ray Floret Length/Width Ratio:

1. Very Low

2. Very Low to Low

3. Low



4. Low to Medium

5. Medium

6. Medium to High



7. High

7. \_\_\_\_\_ Ray Floret Length/Width Ratio (cm)

8. \_\_\_\_\_ Ray Floret Main Color: RHS Color Chart (Indicate Reference Number)

9. \_\_\_\_\_ Ray Floret Distribution of Main Color:



1. Basal Half



2. Basal Half and Margins



3. Basal Three Quarters



4. Basal Three Quarters and Margins



5. Distal Three Quarters














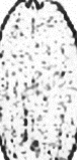



6. Distal Half



7. Throughout

10. \_\_\_\_\_ Ray Floret Distribution of Secondary Color:

- |  |  |
|--|--|
| <br>1. None                               | <br>2. Base                     |
| <br>3. Base and Margins                   | <br>4. Basal Quarter            |
| <br>5. Basal Quarter and Margins          | <br>6. Basal Half               |
| <br>7. Basal Half and Margins             | <br>8. Basal Three Quarters    |
| <br>9. Basal Three Quarters and Margins | <br>10. Distal Three Quarters |
| <br>11. Distal Half                     | <br>12. Distal Quarter        |
| <br>13. Tip                             | <br>14. Throughout            |
| <br>15. Margins                         |  |

V. RAY FLORET: (continued)

11. \_\_\_\_\_ Ray Floret Secondary Color: RHS Color Chart (Indicate Reference Number)

12. \_\_\_\_\_ Ray Floret: Pattern of Second Color:



1. Solid



2. Solid and Flushed



3. Flushed

13. \_\_\_\_\_ Ray Floret Distribution of Tertiary Color:



1. None



2. Base



3. Base and Margins



4. Basal Quarter



5. Basal Quarter and Margins



6. Basal Half



7. Distal Half



8. Distal Quarter



9. Tip



10. Margins

14. \_\_\_\_\_ Ray Floret Tertiary Color: RHS Color Chart (Indicate Reference Number)

15. \_\_\_\_\_ Ray Floret: Pattern of Tertiary Color:



1. Solid



2. Solid and Flushed



3. Flushed

16. \_\_\_\_\_ Ray Floret: Color of Outer Side Compared to Inner Side:

1. Similar

2. Markedly Different

17. \_\_\_\_\_ Ray Floret: Color of Outer Side, Where Markedly Different to Inner Side: RHS Color Chart (Indicate Reference Number)

V. RAY FLORET: (continued)

18. \_\_\_\_\_ Ray Floret: Length of Corolla Tube:



1. Absent or Very Short



3. Medium



5. Very Long

4. Long

19. \_\_\_\_\_ Ray Floret: Longitudinal Axis:



1. Strong Incurving



2. Moderately Incurving



3. Weakly Incurving



4. Straight



5. Weakly Reflexing



6. Moderately Reflexing



7. Strongly Reflexing

20. \_\_\_\_\_ Ray Floret: Profile in Cross Section:



1. Strongly Concave



2. Moderately Concave



3. Weakly Concave



4. Flat



5. Weakly Convex



6. Moderately Convex



7. Strongly Convex

21. \_\_\_\_\_ Ray Floret: Number of Indentations at the Tip:



1. Absent or Very Few



2. Few



3. Medium



4. Many



5. Very Many

V. RAY FLORET: (con.)

22. \_\_\_\_\_ Ray Floret: Depth of Indentations at the Tip:



1. Very Shallow



2. Shallow



3. Medium



4. Deep



5. Very Deep

VI. FLOWER HEAD:

1. \_\_\_\_\_ Only Varieties with Flower Head: Type: Single or Semi-Double: Disc Diameter:

1. Very Small

2. Small

3. Medium

4. Large

5. Very Large

2. \_\_\_\_\_ Only Varieties with Flower Head: Type: Single and Semi-Double: Disc: Color Before Anthesis:

1. Yellow Green

2. Yellow

3. Orange

4. Reddish Brown

5. Blackish Purple

[ PLEASE ENTER ADDITIONAL VARIETY TRAITS ON NEXT PAGE ]

**Disease Resistance**

**Insect Resistance**

**Comments**