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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 LATITUDE LONGITUDE		

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



3. Divided

2. Simple and 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)

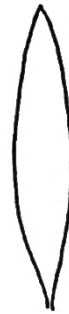
6. _____ Only Varieties with Leaf Type: Simple or Simple and Divided: Leaf Length/Width Ratio:



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)

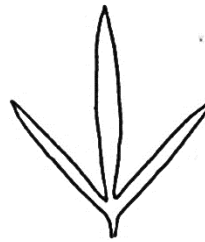
12. _____ Only Varieties with Leaf Type: Simple and Divided or Divided: Leaf Length/Width Ratio:



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:

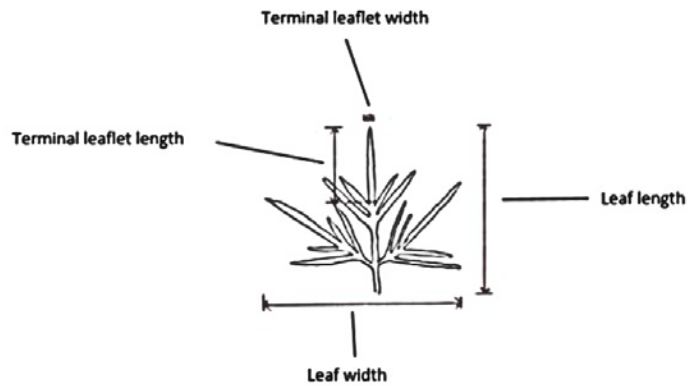
1. Absent or Very Weak

2. Weak

3. Medium

4. Strong

5. Very Strong



III. PEDUNCLE:

1. _____ Peduncle Length:

1. Very Short

2. Very Short to Short

3. Short

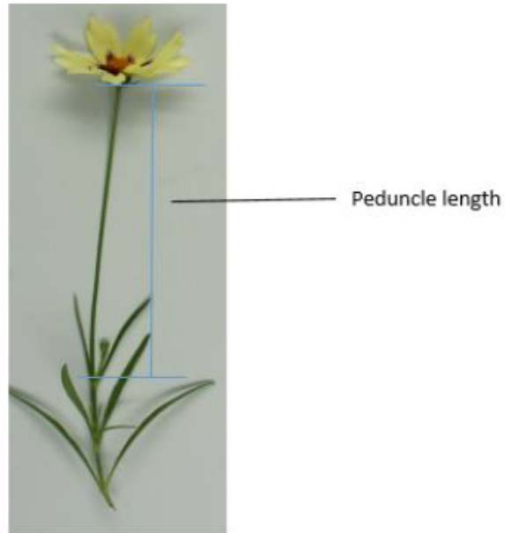
4. Short to Medium

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:

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