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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
Beet
(*Beta vulgaris* L.)

| | | |
|---|---------------------------------------|--------------|
| NAME OF APPLICANT (S) | TEMPORARY OR EXPERIMENTAL DESIGNATION | VARIETY NAME |
| FIELD TRIAL LOCATIONS IN DECIMAL DEGREES (DD) | | |
| LOCATION | LATITUDE | LONGITUDE |

Morphology

I. GERMITY

1. _____ Germity:

A. Monogerm

B. Multigerm

II. SEEDLING

1. _____ Seedling: Red Coloration of Hypocotyl:

A. Absent

B. Present

III. LEAF:

1. _____ Leaf: Attitude of Petiole:

A. Erect

B. Semi-Erect

C. Horizontal

2. _____ Leaf: Attitude of Blade:

A. Erect

B. Semi-Erect

C. Horizontal

D. Semi-Pendulous

E. Pendulous

3. _____ Leaf Length (Including Petiole):

A. Short

B. Medium

C. Long

III. LEAF: (con.)

4. _____ Leaf Blade Length:

A. Short

B. Medium

C. Long

5. _____ Leaf Blade Length (cm)

6. _____ Leaf Blade Width:

A. Narrow

B. Medium

C. Broad

7. _____ Leaf Blade Width (cm)

8. _____ Leaf Blade Shape:

A. Narrow Elliptic

B. Medium Elliptic

C. Broad Elliptic

9. _____ Leaf Blade Color:

A. Mainly Green

B. Green and Red

C. Mainly Red

10. _____ Leaf Blade: Intensity of Green Color:

A. Light

B. Medium

C. Dark

11. _____ Leaf Blade: Red Coloration of Veins:

A. Weak

B. Medium

C. Strong

D. Very Strong

12. _____ Leaf Blade: Undulation of Margin:

A. Absent or Very Weak

B. Weak

C. Medium

D. Strong

E. Very Strong

13. _____ Leaf Blade: Blistering:

A. Weak

B. Medium

C. Strong

IV. PETIOLE:

1. _____ Petiole: Width of Base (at Root Insertion):

A. Narrow

B. Medium

C. Broad

2. _____ Petiole: Main Color of Lower Side:

A. Green

B. Orange

C. Red

D. Purple

V. ROOT:

1. _____ Root Position in Soil:

A. Very Shallow

B. Shallow

C. Medium

D. Deep

E. Very Deep

V. ROOT: (con.)

2. _____ Root Shape in Longitudinal Section:



A. Transverse Narrow Elliptic



B. Transverse Medium Elliptic



C. Circular



D. Obovate



E. Narrow Oblong



F. Very Narrow Obovate

3. _____ Root Length:

A. Short

B. Medium

C. Long

4. _____ Root Length (cm)

5. _____ Root Width:

A. Narrow

B. Medium

C. Broad

6. _____ Root Width (cm)

7. _____ Root Ratio (Length/Width Ratio):

A. Small

B. Medium

C. Large

8. _____ Root Ratio (Length/Width Ratio)

9. _____ Root Shape of Tip:



A. Pointed



B. Rounded



C. Flat



D. Depressed

10. _____ Root Corkiness:

A. Absent or Very Weak

B. Weak

C. Medium

D. Strong

E. Very Strong

11. _____ Root External Color:

A. White

B. Yellow

C. Reddish Purple

V. ROOT: (con.)

12. _____ Root: Main Color of Flesh:

A. White

B. Yellow Orange

C. Red

D. Purple

13. _____ Root: Intensity of Main Color of Flesh:

A. Light

B. Medium

C. Dark

14. _____ Root: Prominence of Rings:

A. Absent or Very Weak

B. Weak

C. Medium

D. Strong

E. Very Strong

VI. BOLTING:

1. _____ Bolting Tendency (from an Early Sowing):

A. Absent or Weak

B. Medium

C. Strong

[PLEASE ENTER ADDITIONAL VARIETY TRAITS ON NEXT PAGE]

DISEASE RESISTANCE:

INSECT RESISTANCE:

COMMENTS: