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U.S. Department of Agriculture
 Agricultural Marketing Service
 Science and Technology Division,
 Plant Variety Protection Office
 Beltsville, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY TREFOIL (*Lotus* spp.)

Name of Applicant(s)	Temporary Designation	Variety Name
Address (Street & No., or R.F.D. No., City, State Zip Code and Country)		FOR OFFICIAL USE ONLY
		PVPO Number

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place numbers in the boxes (e.g., 0 8 9) for the characters that best describe typical plants of this variety.

1. SPECIES:

1 = Birdsfoot Trefoil (*L. corniculatus*) 2 = Narrow Leaf Trefoil (*L. tenuis*) 3 = Big Trefoil (*L. pedunculatus*)

4 = Other (Specify) _____

2. MATURITY:

Days Earlier Than

Maturity Same as

Days Later Than

} Comparison Variety

3. PLANT (Spring at 50% bloom):

cm Height

cm Width (Spaced Plants – Max. Spread)

cm Shorter than

cm Narrower Than

Height Same as

} Comparison Variety

Width Same as

cm Taller Than

cm Wider Than

} Comparison Variety

Type: 1 = Determinate (*Viking*) 2 = Interdeterminate (*Empire*)

4. STEM:

Habit: 1 = Decumbent (*Empire*) 2 = Semierect (*Carroll*) 3 = Erect (*Viking*)

Surface: 1 = Glabrous (*Carroll*) 2 = Slightly Pubescent (*Marshfield*) 3 = Pubescent (*Beaver*)

Color: 1 = Greenish 2 = Reddish

Rhizomes: 1 = Absent 2 = Present

5. LEAVES: (Typical Terminal Leaflet)

Shape 1 = Linear 2 = Lanceolate 3 = Linear-lanceolate 4 = Oblong 5 = Obovate
6 = Other (Specify) _____

Surface: 1 = Glabrous 2 = Slightly Pubescent 3 = Pubescent

Color: 1 = Glaucous Green (*Mansfield*) 2 = Green 3 = Other (Specify) _____

<input type="checkbox"/>	Length Shorter than.....	<input type="checkbox"/>	} Comparison Variety	<input type="checkbox"/>	Width Narrower Than.....	<input type="checkbox"/>	} Comparison Variety
<input type="checkbox"/>	Length Same as.....	<input type="checkbox"/>		<input type="checkbox"/>	Width Same as.....	<input type="checkbox"/>	
<input type="checkbox"/>	Length Longer Than.....	<input type="checkbox"/>		<input type="checkbox"/>	Width Wider Than.....	<input type="checkbox"/>	

6. FLOWERS:

Petal Color (Freshly Expanded): 1 = Yellow 2 = Orange 3 = Red 4 = Other (Specify) _____

Petal Pattern: 1 = Orange Stripes 2 = Red Stripes 3 = Other (Specify) _____

Keel Tip Color: 1 = Yellow 2 = Red 3 = Brown

Calyx Teeth: Tube Length Ratio: 1 = 2:1 2 = 1:1 3 = 1:2 4 = 1:3

7. PODS:

% Shattering (Tan ripe, 35% relative humidity over sulfuric acid): 1 = Low (1-10%) 2 = Medium (11-30%) 3=High (Above 30%)

<input type="checkbox"/>	mm Length	} Comparison Variety
<input type="checkbox"/>	mm Shorter than.....	
<input type="checkbox"/>	Height Same as.....	
<input type="checkbox"/>	mm Longer Than.....	<input type="checkbox"/>

8. SEED:

Shape: 1 = Oval 2 = Round 3 = Other (Specify) _____

Color (Predominately): 1 = Buff 3 = Brown 5 = Yellowish Green 7 = Olive 9 = Purplish Black
2 = Light Brown 4 = Dark Brown 6 = Olive Green (*Marshfield*) 8 = Dark Purple 10 = Nearly Black
11 = Other (Specify) _____

% (Color Frequency) Color (Specify) _____

% (Color Frequency) Color (Specify) _____

% (Color Frequency) Color (Specify) _____

Speckling (Dark Spots): 1 = None 2 = Few 3 = Many

<input type="checkbox"/>	Grams per 1000 seed	} Comparison Variety
<input type="checkbox"/>	Grams Lighter Than.....	
<input type="checkbox"/>	Weight Same as.....	
<input type="checkbox"/>	Grams Heavier Than.....	<input type="checkbox"/>

9. GROWTH:

Recovery from Crown-Buds as Compared to Stubble-buds (cut to 7-11 cm Height when Coming Into Bloom):

Growth from Crown at Brown Pod Stage: 1 = None 2 = Some 3 = Extensive

9. GROWTH: (continued)

Growth Rate (Seedling & Spring Growth Compared when Differences are Most Obvious):

	SEEDLING	CUTTING RECOVERY	SPRING	
Slower than	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	} Comparison Variety
Same as	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Faster than	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

10. DISEASE, INSECT, AND NEMATODE: (0 – Unknown 1 = Susceptible 2 = Resistant) APPEND TRIAL DATA:

<input type="checkbox"/>	Rhizoctonia Blight (<i>Rhizoctonia solani</i>)	<input type="checkbox"/>	Anthraxnose (<i>Colletotrichum trifolii</i>)
<input type="checkbox"/>	Black Patch (<i>Rhizoctonia Leguminicola</i>)	<input type="checkbox"/>	Leaf Spot (<i>Myrothecium verrucaria</i>)
<input type="checkbox"/>	Crown & Root Rot (<i>Macrophomina phaseoli</i>)	<input type="checkbox"/>	Meadow Spittlebug (<i>Philaenus spumarius</i>)
<input type="checkbox"/>	Crown & Root Rot (<i>Macrophomina terrestris</i>)	<input type="checkbox"/>	Potato Leafhopper (<i>Empoasca fabae</i>)
<input type="checkbox"/>	Crown & Root Rot (<i>Sclerotinia trifoliorum</i>)	<input type="checkbox"/>	Alfalfa Plantbug (<i>Adelphocoris lineolatus</i>)
<input type="checkbox"/>	Fusarium Blight (<i>Fusarium roseum</i>)	<input type="checkbox"/>	Trefoil Seed Chalcid (<i>Bruchophagus gibbus</i>)
<input type="checkbox"/>	Leaf Spot (<i>Cerospora loti</i>)	<input type="checkbox"/>	Rapid Plantbug (<i>Adelphocoris rapidus</i>)
<input type="checkbox"/>	Southern Blight (<i>Sclerotium rolfsii</i>)	<input type="checkbox"/>	Lygus Bug (<i>Lygus lineolaris</i>)
<input type="checkbox"/>	Leaf Spot, Stem Canker (<i>Stemphylium loti</i>)	<input type="checkbox"/>	Other (Specify) _____
<input type="checkbox"/>	Phomopsis Blight (<i>Phomopsis loti</i>)	<input type="checkbox"/>	Other (Specify) _____

COMMENTS (If more space is needed, use page 5):

11. GIVE VARIETY(S) THAT MOST CLOSELY RESEMBLE THE SUBMITTED VARIETY:

For the following characteristics indicate degree of resemblance (D.R.) with one of the following numbers: 1 = Submitted variety is less than, lighter, or inferior to similar variety 2 = Same as 3 = More than, darker, or superior, etc.

CHARACTER	SIMILAR VARIETY	D.R.	CHARACTER	SIMILAR VARIETY	D.R.
Leaflet Shape			Leaf Pubescence		
Internode Length			Stems/Plant (1st Year)		
Flowers/Umbel			Seeds/Pod		
Pods/Umbel			Winter Hardiness		
Seed Color			Heat Tolerance		
Late Season Forage Quality			Drought Tolerance		
Wet Soil Tolerance			Rhizoctonia Solani Resistance		

COMMENTS: