

Table 1. Percolation Rates at Various Test Sites Located at the Cambridge Campus Demonstration Plot

Test Site	Minutes/cm (3 samples/site)	Average minutes/cm
A	0.28	0.329
	0.37	
B	0.3	1.15
	2	
C	1.025	1.162
	1.304	
D	1.875	2.1875
	2.5	
E	2	2.15
	2.3	
F	1.15	1.11
	1.06	

Table 2. Phosphorus Levels at Various Test Sites Located at the Cambridge Campus Demonstration Plot

Test Site	Pounds per acre (@ 6") (3 samples/site) L= 8 lb. A/6" soil M= 20 lb. A/6" soil H= 64 lb. A/6" soil	Phosphorous Average pounds/acre (@ 6")
A	8	45.3
	64	
	64	
B	8	8
	8	
	8	
C	8	8
	8	

	8	
D	20	12
	8	
	8	
E	8	8
	8	
	8	
F	8	8
	8	
	8	

Table 3. Potassium Levels at Various Test Sites Located at the Cambridge Campus Demonstration Plot

Test Sites	Pounds per acre (@6") (3 samples/site)	Potassium Average pounds /acre (@6")
A	L= 40 lb. A/6" soil M= 80 lb. A/6" soil H= 160 lb. A/6" soil	133.3
	80	
	160	
B	160	160
	160	
	160	
C	160	160
	160	
	160	
D	40	40
	40	

	40	
E	80	80
	80	
	80	
F	80	80
	80	
	80	

Table 4. Soil Moisture and Temperature (C) at Various Test Site Locations at the Cambridge Campus Demonstration Plot

Test Sites	Moisture Level and Temperature (3 samples/site)	Average Moisture Level and Temperature (°C)
A	1 (very dry) / 17.5	1 (very dry) / 17.5
	1 very dry) / 17.8	
	1 (very dry) / 17.1	
B	1 (very dry) / 17.7	1 (very dry) / 17.9
	1 (very dry) / 17.4	
	1 (very dry) / 18.6	
C	1 (very dry) / 18.2	1 (very dry) / 18.76
	1 (very dry) / 21.4	
	1 (very dry) / 16.7	
D	1 (very dry) / 19.3	1 (very dry) / 20.06
	1 (very dry) / 18.5	
	1 (very dry) / 22.4	
E	1 (very dry) / 16.2	2 (dry) 17.43
	1 (very dry) / 16.9	

	2 (dry) / 19.2	
F	1 (very dry) / 19.7	1 (very dry) / 18.8
	1 (very dry) / 18.1	
	1 (very dry) / 18.5	

Table 5. pH Levels at Various Test Site Locations at the Cambridge Campus Demonstration Plot

Test Sites	pH Levels per Test Site (3 samples/site)	Average pH Level/Site
A	8	7.6
	8	
	7	
B	7	7.33
	7	
	8	
C	7	6.5
	6	
	6.5	
D	7	7.67
	8	
	8	
E	7	6.33
	6	
	6	
F	7	7
	7	
	7	

Table 6. Amount of Pennycress and Camelina Plants at Cambridge Campus Demonstration plot locations

Test Site	Number of Pennycress Plants	Number of Camelina Plants
A	5	0
B	11	27
C	1	24
D	0	3500
E	0	150
F	0	255

Table 7. Test Site GPS Coordinates, Elevations and Topography Descriptions

Test Site	GPS Coordinates and Elevation	Topography Description
A	N 45, 34.058' W 93, 14.710' Elevation 962 feet	The area had tall grass, which had never been plowed. The grass was taller on the edges then in the center, sort of makes a downward dip in the center. About half way down the grass sort of shifts or sways towards the left half and the ground has more of a hill. The grass is about 2 feet tall.
B	N 45, 34.135 min W 93, 14.728 min Elevation: 946 feet	Upward slope from the field with a bumpy terrain. Most of the ground was covered in tall grass, but there were a few spots that weren't, and were quite patchy. There were a couple of ant infestation spots. Soil was inconsistent, as some spots were very soft, and some spots were very hard.
C	N 45, 34.176 min W 93, 14.782 min	Location 1 - Upward slope from field at about a 45 degree angle, about halfway up the slope in tall grass. Location 2- Downward slope to the center of a dip, which then sloped back up sort of like a valley. The grass was shorter in length with many patches of raw sand. Location 3- Upward slope from field at about a 30-degree angle, the area had tall grass, but studies were taken from a shorter grass area.
D	N 45 W 93 979 ft. elevation	Our strip of land was a ditch full of tall grasses, next to a road and the fields. The only place we found big clumps of Camelina were where 2 different fields sloped down to meet each other.

E	<p>N 45° 34.93'</p> <p>W 93° 14.938'</p> <p>Elevation 960ft</p>	<p>Location 1 - Sloping ditch, starts low and rises to meet the road.</p> <p>Location 2 - High, steep hill about 10ft. high slopes down to meet a shallow ditch.</p> <p>Location 3 - High hill with gradual slope to meet a shallow ditch.</p>
F	<p>N 45° 33.943'</p> <p>W 93° 14.778'</p> <p>Elevation 970 feet</p>	<p>The strip of land is approximately 21 feet wide from the crop field to the road and runs along the east half of the south side of the crop field. The land has a gradual slope downwards from the east end to the west end and has a very shallow valley.</p>

Image 1. Encroachment Study Area Test Sites

