



Haskell Agricultural Laboratory, Concord

2023 Fall Cover Crop Variety Trial (Inter-Seeded into Irrigated Corn)

Type	Species	Variety	Stand count (2ft ²)	Std err	GC (%)	Std err	Height (cm)	Std err	Biomass (kg ha ⁻¹)	Std err	N (%)	Std err	Total C (%)	Std err
<i>Grasses</i>														
1	Oat	Jerry	64	16	-	-	-	-	-	-	-	-	-	-
2	Oat	Hayden	37	6	-	-	-	-	-	-	-	-	-	-
3	Barley	P919	65	19	14	3.0	41	2.2	937	324	2.7	0.1	44	0.2
4	Barley	NB15420	45	13	33	11.4	55	7.5	2238	850	1.9	0.2	44	0.5
5	Triticale	NT14433	57	11	22	7.3	48	9.6	1460	387	2.0	0.1	44	0.3
6	Triticale	Montech	43	4	29	14.2	59	12.5	1570	203	2.1	0.1	44	0.6
7	Wheat	Gore	35	13	16	3.6	47	2.3	1923	452	1.9	0.2	44	0.1
8	Wheat	Goodstreak	71	19	34	10.9	49	7.2	3117	1026	2.0	0.1	43	1.0
9	Rye	Elbon	45	9	23	4.5	78	7.8	3037	1013	1.9	0.2	45	0.2
10	Rye	Yankee	39	5	23	9.4	72	16.2	2861	1257	2.1	0.4	45	0.2
11	Rye	Hazlet	37	6	24	7.3	76	9.2	3021	1975	2.1	0.3	45	0.4
<i>Legumes</i>														
12	Hairy Vetch	Aumerit	9	2	3	1.2	18	1.5	585	344	3.5	0.8	43	0.1
13	Hairy Vetch	NE	13	4	3	0.6	18	1.1	316	158	4.7	0.2	44	0.5
14	Hairy Vetch	Winter King	25	10	1	0.3	15	2.5	101	41	4.7	0.2	44	0.6
<i>Brassicas</i>														
15	Rapeseed	Bonar	51	11	-	-	-	-	-	-	-	-	-	-
16	Rapeseed	Barsica	47	15	-	-	-	-	-	-	-	-	-	-
17	Collard	Impact	114	14	-	-	-	-	-	-	-	-	-	-
18	Radish	Nitro	12	4	-	-	-	-	-	-	-	-	-	-
19	Camelina	Camelina	-	-	-	-	-	-	-	-	-	-	-	-
<i>Mixes</i>														
20	Oat+Collard	Jerry+Impact	82	14	-	-	-	-	-	-	-	-	-	-
21	Barley+Radish	P919+Nitro	41	8	22	5.9	59	7.4	2531	1210	1.9	0.4	43	0.3
22	Rye+Hairy vetch	Elbon+AU merit	21	7	17	11.0	63	14.0	1108	862	2.5	0.3	45	0.3

23	Triticale+Hairy vetch	Montech+AU merit	29	9	14	3.3	53	7.8	1149	336	2.6	0.2	44	0.4
24	Wheat+Hairy vetch	Gore+Winter King	15	3	10	4.6	40	4.9	1507	526	2.5	0.1	43	0.3
25	Rye+Rapeseed+Hairy vetch	Elbon+Barsica+MT	41	8	19	3.6	98	5.3	2921	455	2.0	0.2	45	0.2
26	Triticale+Rapeseed+Hairy vetch	Montech+Barsica+MT	37	15	15	9.1	52	9.2	1203	611	3.0	0.3	43	0.4
27	Wheat+Rapeseed+Hairy vetch	Gore+Barsica+MT	13	1	7	4.2	38	4.0	697	310	3.0	0.4	43	0.2
28	Rye+Hairy vetch	Elbon+NE	33	7	25	6.2	76	15.0	5029	2836	2.5	0.1	45	0.5
29	Wheat+Hairy vetch	Gore+NE	13	2	6	2.6	39	4.4	1098	746	3.3	0.2	43	0.3
30	Triticale+Hairy vetch	Montech+NE	15	10	3	1.3	44	8.7	642	334	3.2	0.3	43	0.8

†Std err: Standard error; GC: Ground Cover; N:Nitrogen; C: Carbon. The standard error value (n=4) is for each corresponding parameter on the left column.

Management details

Cooperator/site:	HAL/Concord
Soil type:	Silt clay loam
Planting date:	Sep 01, 2023
Seeding depth:	Broadcasted
Soil moisture at planting:	Fairly wet
Implement/tools:	Hand spreader
Rows/plot:	6
Row spacing:	10"
Plot length:	30'
Alley width:	3'
Tillage:	No-till
Previous crop:	Inter-seeded into corn
Pre-plant herbicide:	None
Fertilizer at planting:	None
Irrigation:	irrigated
Total precipitation during growing period:	23.7"
Termination date:	May 20, 2024