

Block/Sample	% P	% K	% Ca	% Mg	% S	% Si	ppm Zn
#1 Punched Leaf	0.44	2.44	2.44	0.37	0.19	2.42	17.71
#11 Punches from #1	0.24	1.8	1.8	0.45	0.14	3.33	18.61
#4 Flour sifted of #1	0.37	2.01	2.01	0.46	0.19	4.69	19.14
#7 500 mesh of #1	0.31	2.04	2.04	0.44	0.19	3.65	17.41
Avg	0.34	2.07	2.07	0.43	0.18	3.52	18.22

Block/Sample	P	K	Ca	Mg	S	Si	Zn
#2 Punched Leaf	0.31	1.58	1.58	0.48	0.18	4.07	16.88
#12 Punches from #2	0.18	1.56	1.56	0.46	0.14	3.41	14.65
#5 Flour sifted of #2	0.27	1.91	1.91	0.43	0.2	3.04	19.74
#8 500 mesh of #2	0.26	1.93	1.93	0.43	0.2	2.96	18.03
Avg	0.26	1.75	1.75	0.45	0.18	3.37	17.33

Block/Sample	P	K	Ca	Mg	S	Si	Zn
#3 Punched Leaf	0.38	2.04	2.04	0.41	0.19	3.06	20.45
#13 Punches from #3	0.36	1.64	1.64	0.39	0.14	1.91	16.74
#6 Flour sifted of #3	0.27	1.81	1.81	0.44	0.19	3.41	19
#9 500 mesh of #3	0.28	1.83	1.83	0.42	0.2	2.84	18.63
Avg	0.32	1.83	1.83	0.42	0.18	2.81	18.71

Reference Range	0.24--0.45	1.7--2.8	0.25--0.90	0.2--0.75	0.21--0.44		20--50
-----------------	------------	----------	------------	-----------	------------	--	--------

Tar Spot of R3 corn 10/1/2021 from Iowa. Analyzed by tissue preparation 11/7/21 using an X-Ray defraction scanner from Bruker instruments.

ppm	ppm	ppm	ppm	ppm	ppm	
Mn	Fe	Cu	Al	Mo	Ni	Bo
10,183.10	113.56	2.74	34.56	26.47	123.8	
9,494.16	109.54	LDL	22.08	LDL	78.95	
9,716.70	113.47	4.12	31.87	30.64	133.46	
8,880.05	110.9	4.76	31.85	35.29	151.22	
9,568.50	111.87	3.87	30.09	30.8	121.68	

Mn	Fe	Cu	Al	Mo	Ni
10,293.46	117.44	0.56	43.66	15.42	173.28
9,914.94	108.51	LDL	21.89	7.5	66.55
10,561.10	114.09	3.54	30.83	35.16	127.49
9,368.63	112.24	3.81	29	35.11	143.59
10,034.53	113.07	2.64	31.35	23.3	127.68

Mn	Fe	Cu	Al	Mo	Ni
11,106.60	114.6	2.62	30.94	29.39	121.28
10,636.74	112.94	LDL	25.89	1.86	128.86
9,891.78	112.53	3.77	26.65	32.63	129.08
9,917.98	112.06	4.83	25.26	31.97	154.89
10,388.28	113.03	3.74	27.19	23.96	133.53

20--180	20--200	6--15		0.5--0.30		5--20
---------	---------	-------	--	-----------	--	-------