

**Table 1. Maize diseases occurrence and severity in Kenya.**

Taita-Taveta/Malele> ET=1-3; PM=1-3; PS=1-2; MSV=1-2; Taita Taveta/Maghangi> ET=1-2; PM=1-4; PS=1-2; Taita-Taveta/Mwalachi>ET=1-3; PM=1-2; PS=1-2; MSV=1-2. Kwale/Kodzo> ET=1-3; PP=1-4; BM=1-3; PP=0-0; MSV=1-3. Kwale/Mwalumba> ET=1-2; PM=0-0; BM=1-4; PP=1-3; MSV=1-3. Kwale/Kikoneni>ET=1-3; PP=1-3; BM=1-3; PM=0-0; MSV=1-3. Kisii/Mosocho>ET=1-3; PS=1-2; PM=1-2; MSV=1-3. Kisii/Keumbu>ET=1-3; PS=1-2; PM=1-3; MSV=1-2. Kisii/Keumbu>ET=1-3; PS=1-2; PM=1-3; MSV=1-2. Siaya/Yala> ET=1-3; PS=1-2; PM=1-4; BM=1-1-3; MSV=1-3. Siaya/Nyamaninia>ET=1-3; PM=1-4; PS=1-1; BM=1-3; MSV=1-3. Meru/Ruiga> ET=1-2; PM=1-2; PS=1-2; MSV=0-0. Meru/Nkuene> ET=1-3; PM=1-2; PS=1-2; SR=1-2; MSV=1-2. Meru/ Kaguru> ET=1-2; PM=PS=0-0; PM=1-2; SR=1-2; MSV=1-2. Kakamega/Butali> ET=1-3; PS=1-2; PM=1-4; BM=1-1; BC=1-1; MSV=1-3. Kakamega/Musembe>ET=1-3; PM=1-3; PS=1-2; BM=1-3; BC=1-1. Kakamega/KARI-RRC> ET=1-3; PM=1-3; BM=1-5; PS=1-2; BC=1-2; MSV=1-2. Kericho/ Tugunon> ET=1-2; PM=1-4; PS=1-2; B=1-3; SR=1-2; MSV=1-2. Kericho/Kipkelion> ET=1-1; PS=1-2; BM=1-2; PM=1-3; MSV=1-2. Kericho/Momoniati>ET=1-2; PM>1-3; BM>1-2; BC=1-1; PS=1-3; MSV=1-2. Kericho/Kpasoit>ET>1-3; PM=1-3; BM=1-3; PS=1-3; BC=1-3. Kilifi/KARI Mtwapa> ET=1-3, PM=0-0; PP=1-3; BM=1-3; PS=0-0, BC=1-2; MSV=1-3. Kilifi/Kitsoeni>ET=1-4; PP=1-3; BM=1-2; BC=0-0; PM=0-0. Kilifi/Msabaha> ET=1-3; PP=1-3; BM=1-1; BC=1-2; PM=0-0; MSV=1-2. Kilifi/Malindi>ET=1-2; PM=0-0; PP=1-2; BM=1-2; BC=1-1; MSV=1-2. Kilifi/Matsangoni> ET=1-3; PP=1-3; BC=1-2; PM=0-0; MSV=1-2. Nakuru/Bahati> ET=1-3; PS=1-3; PM=1-3; BM=1-2; BC=0-0; MSV=1-2. Nakuru-Bahati>ET=1-3; PM=1-3; BM=1-2; PS=1-3. Nakuru/Bahati>ET=1-4; PM=1-4; PP=1-3; BM=1-2. Nakuru/Molo> ET=1-3; PM=1-4; BM=1-3; PS=1-3. Nakuru/Molo> ET=1-2; PM=1-3; BM=1-2; PS=1-3. Nakuru/Njoro-Kihingo>ET=1-2; PS=1-3; BM=1-2; SR=1-2, PM=1-2. Nakuru/Njoro1> ET= 1-3; PS=1-4; PM=1-4; BM=1-2; Njoro2>ET=1-2; PS=1-3; PM=1-2; BM=1-2. Laikipia/ Gatero>ET=1-3; PM=1-4; PS=1-4; BM=1-3; SR=1-2. Nyandarua/Ndemi> ET=1-2; PS=1-3; PM=1-3; MB=1-2 Nyandarua/Huhirio>ET=1-3; PM=1-3; BM=1-2; PS=1-3; SR=1-2. Thika/Kiriko>ET=1-3; PM=1-4; BM=1-3; PS=1-2;

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**Table 1.** cont. Maize diseases occurrence and severity in Kenya.

MSV=1-3. Kiambu/Kikuyu> ET=1-3; PS=1-3; BM=1-3; PM=1-2; MSV=1-4. Nairobi/NARC> ET=1-3; BM=1-3; PS=1-3; PM=1-1. Kitale 1Matunda> ET=1-3; PM=1-3; BM=1-3; PS=1-3; MSV=1-2. Kitale/Prison farm> ET=1-3; PM=1-3; BM=1-3; PS=1-3; BC=1-1; MSV=1-2. Katala/MoisBridge> ET=1-3, PM=1-3; BM=1-3; BC=1-1, PS=1-3. Trans Nzoia/Kiminini> ET=1-3; PM=1-4; BM=1-3; PS=1-2; BC=1-1; MSV=1-1. TransNzoia/Endembess>ET=1-3; PM=1-3; BM=1-3; PS=1-3; BC=1-1; MSV=1-1. Uashin Gishu/Kesses> ET=1-3; PM=1-3; BM=1-3; PS=1-3; BC=1-1; MSV=1-1. UashinGishu/Kapsaret> ET=1-3; PM=1-4, BM=1-3; PS=1-2; BC=1-1; MSV=1-1. West Pokot/Kapenguria> ET=1-3; PM=1-4, BM=1-2; PS=1-2; BC=1-2. MSV=1-2. West Pokot/Chapareria>ET=1; PM=1-3; BM=1-3; PS=1-2; BC=1-2; MSV=1-2. West Pokot/Chapareria> ET=1-2; PM=1-3; BM=1-2; PS=1-2; BC=1-2; MSV=1-2. Keiyo/Kessup>ET=1-3; PM=1-3; BM=1-3; PS=1-1; BC=1-2; MSV=1-2. Keiyo/Kiptabus> ET=1-2; PM=1-4; BM=1-4; PS=1-2; Keiyo/Katalel> ET=1-3; PM=1-3; BM=1-3; PS=1-3; BC=1-2; MSV=1-2. BC=1-2; MSV=1-2. Kirinyaga/Mutitu> ET=1-2; PM=1-3; BM=1-2; PS=0-0; BC=0-0; MSV=1-2. Kirinyaga/Kianyaga> ET=1-3; PM=1-4; BM=1-2; BC=1-1; MSV=1-2. Kirinyaga/Ndia> ET=1-3; PM=1-4; BM=1-2; BC=1-1; PS=1-1; MSV=1-3. Nyeri/Othaya/Nyaga> ET=1-2; PM=1-4; BM=1-2; BC=0-0; MSV=1-3. Nyeri/Othaya/Karima> ET=1-3; PM=1-3; BM=1-2; BC=0-0; PS=1-2; MSV=1-2. Nyeri/Mukurweini/Kiahungu> ET=1-3; PM=1-3; BM=1-2; BC=1-2; PS=1-2; MSV=1-2. Nyeri/Murweini/Maganjo>ET=1-3; PM=1-3; BM=1-2; BC=1-1; MSV=1-2. Embu/Runyenjes/Mukure> ET=1-2; PM=1-3; BM=1-2; PS=1-2; MSV=1-1. Embu/Manyatta/Kariari> ET=1-3; PM=1-4; BM=1-2; MSV=1-2. Bungoma/Ndaru> ET=1-3; PM=1-4; BM=1-2; MSV=1-2.

The table represents disease occurrence and severity in 65 locations. 1=Present; 0=absent; ET= *Exserohilum turcicum*; PM=*Phaeosphaeria maydis*; BM=*Bipolaris maydis*; PS=*Puccinia sorghi*; PP=*Puccinia polysora*; SR=*Sphacelotheca reliana*; BC=*Bipolaris carbonum*; MSV=Maize streak virus. The percent leaf area diseased (PLAD) range for each disease severity rating is presented in the materials and methods. Each disease is followed by a number 1 or 0, representing incidence and a dash and a number representing the severity value.

**Table 2** Analysis of variance of percent number of leaves infected by *E. turcicum*.

Source	DF	Sum of Squares	F-Value	P>F
Model	54	39.97	16.21*	0.0001
Error	1485	67.8		
Corrected Total	1539	107.77		
N	CV	Mean		
1540	59.8	0.36.		

The data represents arcsine transformation (generated from SAS Glm procedure) of percent number of diseased leaves for 28 plants per location. Asterisk denote that the effect is significant since  $P < 0.0001$ . The data is for 55 locations.

**Table 3.** Means comparisons of percentage number of leaves infected by *E. turcicum*.

District	Location	Mean
Kilifi	Chonyi	0.6936a
Kakamega	Musembe	0.69348a
Thika	Kiriko	0.60997ab
Kilifi	Mtwapa	0.59695abc
Kisii	Keumbu1	0.5239abc
Embu	KARI RRC	0.56344abcd
Laikipia	Gatero	0.55791a-e
Siaya	Yala1	0.53809a-f
Embu	Kariari	0.51270a-g
Nakuru	Njoro2	0.51127a-g
Kakamega	Butali	0.49978a-h
Kilifi	Matsangoni	0.49383a-I
Trans Nzoia	Endebess	0.48083a-j
Kisii	Mosocho	0.47921a-j
Keiyo	Kiptabus	0.47815a-j
Kakamega	KARI RRC	0.47611a-j
Trans Nzoia	Kitale Prison	0.46216b-k
Keiyo	Kessup	0.44937b-l
Kericho	Kapsoit	0.43788b-m
Kwale	Kodzo	0.42921b-m
Uashin Gishu	Kapsaret	0.42917b-m
Trans Nzoia	Kiminini	0.34899d-p
Kisii	Keumbu2	0.34532d-p
Nyeri	Kiahungu	0.33852d-p
Nakuru	Bahati2	0.32827e-q
Taita Taveta	Malele	0.32179f-r
Nakuru	Bahati2	0.31792f-r
Kirinyaga	Kianyaga2	0.29180g-r

**Table 3.** Cont. Means comparisons of percentage number of leaves infected by *E. turcicum*.

District	Location	Mean
Nyandarua	Huhirio	0.28823g-r
Kirinyaga	Ndia	0.27537h-s
Kwale	Kikoneni	0.27323h-s
Embu	Runyenjes	0.27258h-s
Siaya	Yala2	0.26613j-s
Nyeri	Karima	0.25295j-t
Taita Taveta	Mwalachi	0.23797k-t
Uashin Gishu	Kesses	0.23679k-t
Nyeri	Maganjo	0.23479k-t
Nyeri	Nyaga	0.22268l-t
Muranga	Ruchu	0.21944l-t
West Pokot	Chapareria	0.21809m-t
Kwale	Mwalumba	0.21285m-t
Taita Taveta	Werugha	0.17131n-t
West Pokot	Kapenguria	0.15683o-t
Kirinyaga	Kianyaga1	0.13767p-t
Kericho	Tugunon	0.10366qrst
Nakuru	Molo1	0.09566rst
Nyandarua	Ndemi	0.05631st
Nakuru	Molo2	0.05409st
Nakuru	Njoro	0.03227t

The data represent means arcsine transformations (generated by SAS Gln procedure) of percent number of leaves diseased for 28 plants per location. Means followed by the same letters are not significantly different at  $P < 0.05$ . Tukey's Studentized Range. (HSD). The data is for fifty five locations.

**Table 4.** Analysis of variance of percent number of leaves infected by *P. maydis*

Source	DF	Sum of Squares	F-Value	P>F
Model	43	307.94	58.63*	0.0001
Error	1188	145.12		
Corrected Total	1231	453.06		
N	CV	Mean		
1232	40.75	0.86		

The data represent arcsine transformation (generated from SAS Gln procedure) of percent number of diseased leaves for twenty eight plants per location. Asterisk\* denote that the effect is significant since  $P < 0.0001$ . The data are for forty four locations.

**Table 5.** Means comparisons of percentage number of leaves infected by *P. maydis*

District	Location	Mean
West Pokot	Chapareria	1.57080a
Kirinyaga	Ndia	1.57080a
Embu	Kariari	1.57080a
Siaya	Yala1	1.57080a
Muranga	Ruchu	1.57080a
Nyeri	Maganjo	1.57080a
Trans Nzoia	Kiminini	1.57080a
West Pokot	Kapenguria	1.57080a
Nyeri	Nyaga	1.48531a
Nyeri	Kiahungu	1.43695ab
Kakamega	Musembe	1.43408ab
Siaya	Yala2	1.30090abc
Uashin Gishu	Kapsaret	1.24724abcd
Keiyo	Kiptabus	1.24583abcd
Kirinyaga	Kianyaga2	1.10007bcde
Kakamega	Butali	1.09849bcde
Bungoma	Ndaru	0.98868cdef
Keiyo	Kessup	0.98379cdef
Nakuru	Molo2	0.92562defg
Kericho	Tugunon	0.86193efgh
Trans Nzoia	Mois Bridge	0.84588efghi
Kirinyaga	Kianyaga1	0.74604efghij
Taita Taveta	Werugha	0.73990efghij
Thika	Kiriko	0.71462fghijk
West Pokot	Chapareria2	0.71028fghijk
Nakuru	Molo1	0.69503fghijk
Uashin Gishu	Kesses	0.68809fghijk

**Table 5.** Cont. Means comparisons of percentage number of leaves infected by *P. maydis*

District	Location	Mean
Embu	KARI RRC	0.62158fghijkl
Taita Taveta	Malele	0.61534ghijkl
Trans Nzoia	Endebess	0.61307ghijkl
Embu	Runyenjes	0.59662ghijkl
Nakuru	Bahati	0.52115hijklm
Nyandarua	Ndemi	0.48823ijklmn
Kericho	Kapsoit	0.39502jklmn
Nakuru	Bahati2	0.37199klmno
Trans Nzoia	Kitale Prison	0.37023klmno
Laikipia	Gatero	0.35882klmno
Taita Taveta	Mwalachi	0.29231lmno
Nakuru	Njoro2	0.16538no
Kakamega	KARI RRC	0.15161no
Keiyo	Kessup	0.13309no
Nyandarua	Huhirio	0.13045no
Nakuru	Njoro	0.05108o
Nyeri	Karima	0.04559o

Means represent arcsine transformations (generated by SAS Glm procedure) of percent number of leaves diseased for 28 plants per location. Means followed by the same letters are not significantly different at  $P < 0.05$ . Tukey's Studentized Range (HSD).

The data are for forty four locations.

**Table 6** Analysis of variance of percent number of leaves infected by *B. maydis*

Source	DF	Sum of Squares	F-Value	P>F
Model	41	231.83	62.84*	0.0001
Error	1134	102.03		
Corrected Total	1175	333.87		
N	CV	Mean		
1176	56.16	0.53		

The data represent arcsine transformation (generated from SAS Glm procedure) of percent number of diseased leaves for 28 plants per location. Asterisk\* denote that the effect is significant since  $P < 0.0001$ . The data is for forty two locations.

**Table 7.** Means comparisons of percentage number of leaves infected by *B. maydis*

District	Location	Mean
Kakamega	Musembe	1.57080a
Kakamega	KARI RRC	1.57080a
Bungoma	Ndaru	1.43004ab
Keiyo	Kiptabus	1.40526ab
Kakamega	Butali	1.39983ab
Trans Nzoia	Kitale Prison	1.17268bc
Trans Nzoia	Kiminini	1.04902cd
Uashin Gishu	Kapsaret	0.97724cde
Trans Nzoia	Mois Bridge	0.79264def
Keiyo	Katalel	0.77997def
Kericho	Kapsoit	0.70294efg
Uashin Gishu	Kesses	0.69663efg
Keiyo	Kessup	0.65623fgh
West Pokot	Chapareria	0.61745fgh
Nakuru	Bahati	0.55536fghi
Embu	Kariari	0.53942f-j
Trans Nzoia	Kiminini	0.52049f-k
Nakuru	Bahati 2	0.50303f-l
West Pokot	Chapareria	0.45116g-m
Kirinyaga	Ndia	0.44136g-m
Kiambu	Muguga	0.42925g-m
Kericho	Tugunon	0.41576g-m
West Pokot	Kapenguria	0.38906g-o
Muranga	Ruchu	0.36520h-p
Embu	KARI RRC	0.28457i-g
Nakuru	Molo2	0.25306i-q
Nakuru	Njoro2	0.23119j-q
Nyeri	Nyaga	0.21206k-q

**Table 7.** Cont. Means comparisons of percentage number of leaves infected by *B. maydis*

District	Location	Mean
Kilifi	Mtwapa	0.21069k-q
Kirinyaga	Kianyaga2	0.19254l-q
Embu	Runyenjes	0.17287m-q
Nyeri	Maganjo	0.16527m-q
Kirinyaga	Kianyaga1	0.16467m-q
Nakuru	Molo1	0.11389n-q
Nyeri	Kiahungu	0.11164n-q
Kilifi	Matsangoni	0.10265n-q
Kilifi	Chonyi	0.10113opq
Nyandarua	Ndemi	0.05868pq
Laikipia	Gatero	0.05147pq
Nyeri	Karima	0.04559q
Nakuru	Njoro	0.01805q

The data represent means arcsine transformations (generated by SAS Gln procedure) of percent number of leaves diseased for 28 plants per location.

Means followed by the same letters are not significantly different at  $P < 0.05$ . Tukey's Studentized Range (HSD). The data are for forty two locations.

**Table 8.** Analysis of variance of percent number of leaves infected by *P. sorghi/polysora*

Source	DF	Sum of Squares	F-Value	P>F
Model	22	58.18	18.92*	0.0001
Error	621	86.8		
Corrected Total	643	144.98		
N	CV	Mean		
644	49.73	0.75		

The data represents arcsine transformation (generated from SAS Gln procedure) of percent number of diseased leaves for 28 plants per location. Asterisk\* denote that the effect is significant since  $P < 0.0001$ . The data is for 23 locations.

**Table 9.** Means comparisons of percentage number of leaves infected by *P. polysora* /*sorgho*

District	Location	Mean
Kwale	Kodzo	1.30517a
Nakuru	Njoro	1.11863ab
Nakuru	Bahati	1.10160abc
Nakuru	Njoro	1.05864abc
Nakuru	Molo	1.05278abc
Nyandarua	Ndemi	1.03275abc
Trans Nzoia	Endebess	0.98116abc
Keiyo	Kessup	0.92839bcd
Uashin Gishu	Kesses	0.91364bcd
Kilifi	Chonyi	0.87474bcde
Kilifi	Matsangoni	0.86701bcde
Trans Nzoia	Mois Bridge	0.83570bcdef
Trans Nzoia	Kitale Prison	0.74172cdefg
Uashin Gishu	Kapsaret	0.63913defgh
Kwale	Kikoneni	0.63021defghi
Nakuru	Molo2	0.53732efghij
Keiyo	Katalel	0.48833fghij
Nakuru	Bahati	0.48156fghij
Kilifi	Mtwapa	0.44584ghij
Laikipia	Gatero	0.43808ghij
Keiyo	Kiptabus	0.34607hij
Nyandarua	Huhirio	0.27413lij
Kwale	Mwalumba	0.19985j

The data represent means arcsine transformations (generated by SAS GLM procedure) of percent number of leaves diseased for twenty eight plants per location. Means followed by the same letters are not significantly different at  $P < 0.05$ . Tukey's Studentized Range (HSD). The data are for twenty three locations.

**Table 10.** Severity of northern maize leaf blight in Kenya.

District	Location	Farm	Me	Sd	Max	Q3	Med	Q1	Min
Nakuru	Molo2	3	0.36	0.49	1	1	0	0	0
Nakuru	Njoro	2	0.29	0.46	1	1	0	0	0
Nyandarua	Ndemi	2	0.39	0.5	1	1	0	0	0
Kericho	Tugnon	2	0.46	0.57	2	1	0	0	0
Nakuru	Bahati	3	1.43	0.69	2	2	2	1	0
Nakuru	Molo1	2	0.5	0.64	2	1	0	0	0
Nyeri	Nyaga	2	1.11	0.63	2	1.5	1	1	0
West Pokot	Kapenguria	3	1.18	0.67	2	2	1	1	0
Uashi Gishu	Kesses	3	1.25	0.52	2	2	1	1	0
Taita Taveta	Werugha	2	1.32	0.72	3	2	1	1	0
Taita Taveta	Malele	3	2.11	0.63	3	2.5	2	2	1
Taita Taveta	Mwalachi	3	1.71	1.05	3	3	1.5	1	0
Kwale	Mwalumba	2	1	0.9	3	2	1	0	0
Siaya	Yala2	3	1.36	0.78	3	2	1	1	0
Kakamega	Butali	3	2.79	0.42	3	3	3	3	2
Kakamega	Musembe	3	2.46	0.51	3	3	2	2	2
Kakamega	KARI RRC	3	1.75	0.97	3	2	2	1	0
Nakuru	Bahati2	4	1.68	0.9	3	2	2	1	0
Nyandarua	Huhirio	3	1.75	1.08	3	3	1.5	1	0
Kiambu	Muguga	3	2.04	0.88	3	3	2	1	1
Embu	Runyenjes	2	1.96	0.79	3	2.5	2	1.5	0
Kirinyaga	Kianyaga1	2	0.96	0.96	3	2	1	0	0
Kirinyaga	Kiangondu	3	1.61	0.88	3	2	1.5	1	0
Kirinyaga	Ndia	3	1.61	0.79	3	2	2	1	0
Nyeri	Karima	3	1.54	0.88	3	2	1.5	1	0
Nyeri	Kiahungu	3	2.07	0.72	3	3	2	2	1
Nyeri	Maganjo	3	1.32	0.67	3	2	1	1	0
Muranga	Ruchu	2	1.11	0.69	3	1	1	1	0
West Pokot	Chapareria	3	1.54	0.88	3	2	1	1	0

**Table 10.** Cont. Severity of northern maize leaf blight in Kenya.

District	Location	Farm	Me	Sd	Max	Q3	Med	Q1	Min
West Pokot	Chapareria2	2	1.18	0.86	3	1.5	1	1	0
Keiyo	Kessup	3	2.32	0.61	3	3	2	2	1
Keiyo	Katalel	3	1.71	0.71	3	2	2	1	1
Keiyo	Kiptabus	2	2.11	0.63	3	2.5	2	2	1
Trans Nzoia	Mois B	3	1.96	0.69	3	2	2	1.5	1
Trans Nzoia	Kitale pr	3	2.36	0.68	3	3	2	2	1
Trans Nzoia	Endebess	3	2.32	0.55	3	3	2	2	1
Trans Nzoia	Kiminini	4	1.71	0.66	3	2	2	1	1
Uashin Gishu	Kapsaret	3	2	0.77	3	3	2	1	1
Bungoma	Ndaru	3	2	0.82	3	3	2	1	1
Kwale	Kodzo	3	1.89	1.07	4	3	2	1	0
Kisii	Mosocho	3	2.36	0.83	4	3	2	2	0
Kisii	Keumbu1	3	2.43	0.99	4	3	3	1	1
Kisii	Keumbu2	3	2	0.98	4	3	2	1	0
Siaya	Yala1	3	2.61	0.63	4	3	3	2	1
Meru	Nkuene	3	1.93	1.12	4	3	2	1	0
Thika	Kiriko	3	2.54	0.92	4	3	3	2	1
Kericho	Kapsoit	3	2.29	0.66	4	3	2	2	1
Kilifi	Mtwapa	3	2.36	1.06	4	3	2	2	0
Kilifi	Matsangoni	3	2.04	0.84	4	3	2	1	1
Kilifi	Chonyi	4	2.71	0.81	4	3	3	2	1
Nakuru	Njoro2	3	2.29	0.85	4	3	2	2	1
Laikipia	Gatero	3	2.71	0.9	4	3	3	2	1
Embu	Kariari	3	2.14	0.89	4	3	2	2	0
Embu	KARI RRC	3	2.75	1.01	5	3	3	2	1

The data represents statistics of severity of northern leaf blight for twenty eight plants per location. The severity rating was done on 0-5 scale where 0=health, 1=0.5 to 1.0% disease, 2=5 to 10% disease, 3=10 to 15 % disease, 4=20 to 35% disease, 5= 45 to 75% disease. 'First data column under farm represents the general severity level in each

location. Mean=the mean rating for the twenty eight plants per location

Std= The standard deviation of the means. Max=the maximum severity rating.

Q3 is the 75th percentile of the severity rating. Med= median rating

Q1 is the first quartile. Min= the minimum rating.

**Table 11.** Severity of southern maize leaf blight in Kenya.

District	Location	Farm	Me	Std	Max	Q3	Med	Q1	Min
Nakuru	Njoro	2	0.07	0.26	1	0	0	0	0
Kilifi	Matsangoni	1	0.86	1.01	2	2	0	0	0
Nakuru	Molo1	3	0.96	1	2	2	0.5	0	0
Laikipia	Gatero	3	0.32	0.61	2	0.5	0	0	0
Nyandarua	Ndemi	2	0.43	0.74	2	1	0	0	0
Nyeri	Nyaga	2	1.71	0.66	2	2	2	2	0
Nyeri	Karima	2	0.29	0.6	2	0	0	0	0
Nyeri	Kiahungu	2	0.54	0.58	2	1	0.5	0	0
Kericho	Tugnon	3	2	0.54	3	2	2	2	1
Kilifi	Mtwapa	3	1.25	1.08	3	2	2	0	0
Kilifi	Chonyi	2	0.64	0.99	3	2	0	0	0
Nakuru	Bahati	2	2.5	0.51	3	3	2.5	2	2
Nakuru	Bahati2	2	2.07	0.86	3	3	2	2	0
Nakuru	Molo2	2	1.82	0.67	3	2	2	2	0
Nakuru	Mjoro2	2	1.25	0.84	3	2	1	1	0
Kiambu	Muguga	3	2.04	0.19	3	2	2	2	2
Embu	KARI RRC	3	1.89	0.57	3	2	2	2	0
Embu	Runyenje	2	1.36	1.1	3	2	2	0	0
Embu	Kariari	2	2.21	0.92	3	3	2	2	0
Kirinyaga	Kianyaga1	2	1.21	1.1	3	2	2	0	0
Kirinyaga	Kianyaga2	2	1.54	1.04	3	2	2	0	0
Kirinyaga	Ndia	2	2.18	0.61	3	2.5	2	2	0
Nyeri	Maganjo	2	0.93	0.98	3	2	1	0	0
Muranga	Ruchu	2	1.39	0.96	3	2	2	0.5	0
West Pokot	Kapenguria	2	2.18	0.39	3	2	2	2	2
West Pokot	Chapareria	3	2.29	0.71	3	3	2	2	0
West Pokot	Chapareria2	2	2.07	0.6	3	2	2	2	0
Keiyo	Kessup	3	2.75	0.44	3	3	3	2.5	2

**Table 11.** Cont. Severity of southern maize leaf blight in Kenya.

District	Location	Farm	Me	Std	Max	Q3	Med	Q1	Min
Trans Nzoia	Kiminini	3	2.57	0.5	3	3	3	2	2
Trans Nzoia	Endembess	3	2.07	0.54	3	2	2	2	0
Uashin Gishu	Kesses	3	2.32	0.48	3	3	2	2	2
Bungoma	Ndaru	1	2.89	0.31	3	3	3	3	2
Kwale	Mwalumba	4	2.86	0.89	4	3	3	2	0
Kakamega	Butali	4	3.57	0.5	4	4	4	3	3
Keiyo	Katalel	3	2.82	0.67	4	3	3	2	2
Trans Nzoia	Mois Bridge	3	2.68	0.55	4	3	3	2	2
Trans Nzoia	Kitale pr	3	2.97	0.64	4	3	3	3	2
Gashin Gishu	Kapsaret	3	2.5	0.75	4	3	2	2	2
Kakamega	KARI RRC	4	4.46	0.79	5	5	5	4	3
Kericho	Kapsoit	3	2.57	0.69	5	3	2.5	2	2
Keiyo	Kiptabus	4	3.14	0.52	5	3	3	3	2

The data represents statistics of severity for twenty eight plants per site.

The severity rating was based on a 0 to 5 scale where, 0= No disease, 1=0.1 to 0. 5% disease, 2= 5 to 10 % disease, 3= 15 - 30 % disease, 4= 45 -55% disease, and 5= over 75% disease. The data under farm represents overall severity rating for a locality.

Min is the minimum rating,Q1 is the first quartile, Q3 is the 75th percentile

First data column under farm represents the general severity level in each site

Mean=the mean rating for the twenty eight plants per site. Std= The standard deviation of the means. Max= the maximum severity rating per location Q3 is the 75th percentile of the severity rating Me= median severity rating. Min=the minimum rating for each site.

**Table 12.** Severity of *P. maydis* leaf spot in Kenya.

District	Location	Farm	Me	Std	Max	Q3	Med	Q1	Min
Kakamega	KARI RRC	3	0.93	1.02	2	2	0	0	0
Nakuru	Njoro	4	0.36	0.73	2	0	0	0	0
Nyeri	Karima	3	0.29	0.6	2	0	0	0	0
Keiyo	Kessup	3	1.54	0.79	2	2	2	1	0
Taita Taveta	Malele	3	2.29	0.6	3	3	2	2	1
Thika	Kiriko	4	2.32	0.48	3	3	2	2	2
Kericho	Tugnon	4	2.32	0.67	3	3	2	2	0
Kericho	Kapsoit	3	2.29	0.66	3	3	2	2	0
Nakuru	Bahati2	4	1.96	0.92	3	3	2	2	0
Nakuru	Molo1	4	2.54	0.69	3	3	3	2	0
Nakuru	Njoro2	2	1	1.05	3	2	1	0	0
Laikipia	Gatero	4	1.68	1.25	3	3	2	0	0
Nyandarua	Huhirio	3	0.75	1.04	3	2	0	0	0
Embu	KARI RRC	3	2.04	0.19	3	2	2	2	2
Kirinyaga	Kianyaga1	4	2.32	0.48	3	3	2	2	2
West Pokot	Chapareria	3	2.93	0.26	3	3	3	3	2
Keiyo	Katalel	3	2.54	0.69	3	3	3	2	0
Keiyo	Kiptabus	4	2.43	0.5	3	3	2	2	2
Trans Nzoia	Mois Bridge	3	2.36	0.49	3	3	2	2	2
Trans Nzoia	Kitale Prisons	3	2.11	0.88	3	3	2	2	0
Trans Nzoia	Endebess	3	2.36	0.49	3	3	2	2	2
Uashin Gishu	Kesses	3	2.5	0.51	3	3	2.5	2	2
Bungoma	Ndaru	3	2.29	0.46	3	3	2	2	2
Taita Taveta	Mwalachi	2	2	1.09	4	3	2	2	0
Kakamega	Butali	4	2.96	0.64	4	3	3	3	2
Kakamega	Musembe	3	2.93	0.77	4	3.5	3	2	2
Nakuru	Bahati	3	2.43	0.57	4	3	2	2	2
Nakuru	Molo2	3	2.82	0.55	4	3	3	2.5	2
Nyandarua	Ndemi	3	1.96	0.96	4	2	2	2	0

**Table 12.** Cont. Severity of *P. maydis* leaf spot in Kenya.

District	Location	Farm	Me	Std	Max	Q3	Med	Q1	Min
Embu	Runyenje	3	2.21	0.57	4	2	2	2	1
Kirinyaga	Kianyaga2	3	3.29	0.54	4	4	3	3	2
Nyeri	Nyaga	4	3.11	0.69	4	4	3	3	2
Nyeri	Kiahungu	3	2.61	0.57	4	3	3	2	2
Nyeri	Maganjo	3	3	0.54	4	3	3	3	2
West Pokot	Kapenguria	4	3.5	0.51	4	4	3.5	3	3
West Pokot	Chapareria2	3	2.21	0.74	4	3	2	2	0
Trans Nzoia	Kiminini	4	3.21	0.5	4	3.5	3	3	2
Uashin Gishu	Kapsaret	4	2.86	0.45	4	3	3	3	2
Taita Taveta	Werugha	4	2.86	1.01	5	3.5	3	2	0
Siaya	Yala1	4	3.46	0.84	5	4	4	3	2
Siaya	Yala2	4	3.5	0.79	5	4	3	3	2
Embu	Kariari	4	3.5	0.64	5	4	3.5	3	2
Kirinyaga	Ndia	4	3.39	0.57	5	4	3	3	3
Muranga	Ruchu	5	4.14	0.45	5	4	4	4	3

The data represent statistics of severity for twenty eight plants per location.

The severity rating was done on a 0 - 5 scale where 0= no disease, 1=0.1 to 0.5 disease, 2= 5 to 10% disease, 3=30 to 45% disease, 4=50 to 65% disease, and 5= over 75% disease. First data column under farm represents the general severity level in each location. Mean=the mean rating for the twenty eight plants per location Std= The standard deviation of the means Max= the maximum severity Q3 is the 75<sup>th</sup> percentile of the severity. Med= median severity rating Q1 is the first quartile Min=the minimum rating for each location. Me=mean.

**Table 13** Severity of rust (*Puccinia* Spp) in Kenya.

District	Location	Farm	Mean	Std	Max	Q3	Med	Q1	Min
Kwale	Mwalumba	3	1.29	1.3	3	2	2	0	0
Kilifi	Mtwapa	3	2	0.5	3	2	2	2	0
Kilifi	Matsangoni	3	2.57	0.5	3	3	3	2	2
Kilifi	Chonyi	3	2.29	0.5	3	3	2	2	2
Laikipia	Gatero	4	1.86	1	3	2	2	2	0
Nyandarua	Huhirio	3	1.61	0.9	3	2	2	2	0
Keiyo	Kessup	2	2.93	0.3	3	3	3	3	2
Keiyo	Katalel	3	2.14	0.6	3	2	2	2	0
Keiyo	Kiptabus	4	2.07	0.5	3	2	2	2	1
Trans Nzoia	Mois Bridge	3	2.32	0.5	3	3	2	2	2
Trans Nzoia	Kitale Prison	3	2.64	0.5	3	3	3	2	2
Uashin Gishu	Kapsaret	2	2.32	0.5	3	3	2	2	2
Kwale	Kikoneni	3	2.39	0.9	4	3	2	2	0
Nakuru	Bahati	3	2.86	0.6	4	3	3	2.5	2
Nakuru	Bahati2	3	2.18	0.9	4	3	2	2	0
Nakuru	Molo2	3	2.25	0.7	4	3	2	2	0
Nakuru	Molo1	3	2.93	0.7	4	3	3	2.5	2
Nakuru	Njoro	4	3.07	0.8	4	3	3	3	0
Nakuru	Njoro2	3	3	0.6	4	3	3	3	2
Nyandarua	Ndemi	3	2.82	0.6	4	3	3	2.5	2
Trans Nzoia	Endembess	3	2.54	0.8	4	3	3	2	0
Nashin Gishu	Kesses	3	2.54	0.9	4	3	3	2	0
Kwale	Kodzo	4	3.46	1.1	5	4	4	3	0

The data represents statistics of severity for twenty eight plants per location

The severity rating was based on a 0 to 5 scale where, 0= healthy, 1=0.5 to 1.0 disease

2=10 to 15 % disease, 3=30 to 40% disease, 4=45 to 65 % disease and 5=over 65%

Disease. 'First data column under farm represents the general severity level in each

Location. Mean=the mean rating for the twenty eight plants per location Max= the maximum severity rating per location Q3 is the 75th percentile of the severity rating Me= median severity rating Q1 is the first quartile Min=the minimum rating for each location.

**Table 14.** Incidence of northern maize leaf blight in Kenya.

District	Location	Total no.		No. of diseased		No. of lesions		Severity Median index
		Mean	SD	Mean	SD	Mean	SD	
Nakuru	Njoro	11.61	1.50	0.39	0.69	0.39	0.69	0.00
Nakuru	Molo 2	10.07	1.63	0.57	0.88	0.61	0.96	0.00
Nyandarua	Ndemi	10.36	1.28	0.57	0.79	0.54	0.74	0.00
Kericho	Tugunon	8.04	1.04	0.75	0.97	0.89	1.20	0.00
Nakuru	Molo 1	10.36	2.21	0.93	1.33	1.00	1.41	0.00
Kirinyaga	Kianyag 1	10.50	1.20	1.39	1.52	2.89	3.82	1.00
West Pokot	Kapenguria	12.43	1.62	1.89	1.23	2.61	2.35	1.00
West Pokot	Chapareria 2	9.71	1.49	1.93	1.78	3.61	4.57	1.00
Taita-Taveta	Werugha	12.43	1.67	2.07	1.51	3.07	2.49	1.00
Muranga	Ruchu	10.21	1.23	2.18	1.25	2.93	2.12	1.00
Kwale	Mwalumba	11.25	1.08	2.29	2.51	2.46	2.65	2.00
Nyeri	Maganjo	10.46	1.26	2.36	1.19	4.00	2.57	1.00
Nyeri	Nyaga	10.86	0.76	2.39	1.45	2.79	1.85	1.00
Uashin-Gishu	Kesses	10.75	1.35	2.54	1.23	3.82	2.00	1.00
Nyeri	Karima	11.14	1.46	2.68	1.47	4.36	3.28	1.50
Kwale	Kikoneni	11.82	1.94	2.89	2.25	7.18	8.07	1.50
Siaya	Yala 2	11.00	1.19	2.89	1.52	4.50	3.21	1.00
Kirinyaga	Ndia	11.07	1.25	2.93	1.65	4.61	3.02	2.00
Nyandarua	Huhirio	10.82	1.54	2.96	1.75	6.11	5.54	1.50
Trans-Nzoia	Kiminini	9.04	1.35	3.04	1.17	6.14	3.58	2.00
West Pokot	Chapareria	8.89	0.96	3.18	1.93	5.36	4.92	1.00
Taita-Taveta	Mwalachi	14.50	1.75	3.25	2.01	8.50	8.47	1.50
Kirinyaga	Kianyag 2	12.50	1.37	3.36	2.48	5.18	4.13	1.50
Kiambu	Muguga	8.79	1.07	3.39	1.40	5.50	2.86	2.00
Meru	Nkuene	9.57	1.03	3.50	2.03	8.25	7.90	2.00
Nyeri	Kiahungu	11.07	1.76	3.54	1.45	6.96	3.92	2.00
Nakuru	Bahati	11.43	1.35	3.57	2.10	3.96	2.17	2.00

**Table 14.** Cont. Incidence of northern maize leaf blight.

District	Location	Total no.		No. of diseased Leaves		No. of lesions		Severity
		Mean	SD	Mean	SD	Mean	SD	Median index
Embu	Runyenje	13.79	2.15	3.57	1.75	6.89	4.47	2.00
Nakuru	Bahati 2	11.46	2.41	3.64	2.09	5.71	4.14	2.00
Kisii	Keumbu 2	11.21	1.55	3.68	1.83	6.00	4.29	2.00
Taita-Taveta	Malele	12.11	1.31	3.71	1.41	6.18	3.24	2.00
Trans-Nzoia	Mois-bridge	10.96	0.74	3.89	1.59	7.29	4.79	2.00
Kilifi	Matsangoni	8.93	1.44	4.04	1.75	10.07	9.16	2.00
Bungoma	Ndaru	11.25	1.53	4.04	1.43	8.61	4.52	2.00
Uashin-Gishu	Kapsaret	10.86	1.30	4.11	1.93	7.00	3.74	2.00
Kwale	Kodzo	10.71	1.94	4.21	2.63	9.39	8.69	2.00
Keiyo	Katalel	11.18	1.74	4.25	2.05	6.61	3.63	2.00
Kakamega	RRC	9.64	1.34	4.29	2.72	6.68	4.19	2.00
Kisii	Keumbu 1	7.93	1.56	4.43	2.53	7.25	4.00	3.00
Embu	Kariari	9.79	0.96	4.64	2.30	9.18	7.53	2.00
Siaya	Yala 1	9.64	0.83	4.71	1.86	10.29	4.66	3.00
Kericho	Kapsoit	11.54	1.23	4.75	1.67	8.75	4.01	2.00
Kisii	Mosocho	10.79	1.23	4.79	2.06	13.21	9.45	2.00
Nakuru	Njoro 2	10.64	1.25	4.86	2.34	7.64	3.80	2.00
Trans-Nzoia	Endembess	11.43	1.37	5.11	1.83	9.82	4.54	2.00
Kilifi	Chonyi	8.89	1.57	5.21	2.08	10.57	5.30	3.00
Keiyo	Kiptabus	11.71	1.44	5.21	2.11	7.82	3.39	2.00
Trans-Nzoia	Kitale Prison	12.25	1.32	5.32	2.36	10.57	6.05	2.00
Kakamega	Butali	11.57	1.32	5.43	1.99	12.50	4.93	3.00
Embu	RRC	10.64	1.45	5.46	2.19	19.96	16.52	3.00
Keiyo	Kessup	12.89	1.20	5.54	1.64	11.50	4.99	2.00
Laikipia	Gatero	11.29	1.74	5.64	1.79	12.96	8.06	3.00
Thika	Kiriko	11.11	2.15	5.93	2.51	15.46	11.02	3.00
Kakamega	Musembe	10.32	1.83	6.75	2.24	11.71	5.40	2.00
Kilifi	Mtwapa	9.43	1.87	6.96	5.13	11.75	8.30	2.50

The table represents *E. turcicum* incidence in 55 locations as total number of leaves, number of diseased leaves, median and standard deviation (SD).

The means are for 28 plants per location.

**Table 15.** Incidence of *Phaeosphaeria maydis* leaf spot in Kenya.

District	Location	Total no.		No. of diseased leaves		Severity index
		Mean	SD	Mean	SD	Median
Nakuru	Njoro	11.61	1.50	0.39	0.69	0.00
Nakuru	Molo 2	10.07	1.63	0.57	0.88	0.00
Nyandarua	Ndemi	10.36	1.28	0.57	0.79	0.00
Kericho	Tugunon	8.04	1.04	0.75	0.97	0.00
Nakuru	Molo 1	10.36	2.21	0.93	1.33	0.00
Kirinyaga	Kianyag 1	10.50	1.20	1.39	1.52	1.00
West Pokot	Kapenguria	12.43	1.62	1.89	1.23	1.00
West Pokot	Chapareria 2	9.71	1.49	1.93	1.78	1.00
Taita-Taveta	Werugha	12.43	1.67	2.07	1.51	1.00
Muranga	Ruchu	10.21	1.23	2.18	1.25	1.00
Nyeri	Maganjo	10.46	1.26	2.36	1.19	1.00
Nyeri	Nyaga	10.86	0.76	2.39	1.45	1.00
Uashin-Gishu	Kesses	10.75	1.35	2.54	1.23	1.00
Nyeri	Karima	11.14	1.46	2.68	1.47	1.50
Siaya	Yala 2	11.00	1.19	2.89	1.52	1.00
Kirinyaga	Ndia	11.07	1.25	2.93	1.65	2.00
Nyandarua	Huhirio	10.82	1.54	2.96	1.75	1.50
Trans-Nzoia	Kiminini	9.04	1.35	3.04	1.17	2.00
West Pokot	Chapareria	8.89	0.96	3.18	1.93	1.00
Taita-Taveta	Mwalachi	14.50	1.75	3.25	2.01	1.50
Kirinyaga	Kianyag 2	12.50	1.37	3.36	2.48	1.50
Kiambu	Muguga	8.79	1.07	3.39	1.40	2.00
Nyeri	Kiahungu	11.07	1.76	3.54	1.45	2.00
Nakuru	Bahati	11.43	1.35	3.57	2.10	2.00
Embu	Runyenje	13.79	2.15	3.57	1.75	2.00
Nakuru	Bahati 2	11.46	2.41	3.64	2.09	2.00
Taita-Taveta	Malele	12.11	1.31	3.71	1.41	2.00

**Table 15.** Cont. Incidence of *Phaeosphaeria maydis* leaf spot in Kenya.

District	Location	Total no.		No. of diseased leaves		Severity index
		Mean	SD	Mean	SD	Median
Trans-Nzoia	Mois-bridge	10.96	0.74	3.89	1.59	2.00
Bungoma	Ndaru	11.25	1.53	4.04	1.43	2.00
Uashin-Gishu	Kapsaret	10.86	1.30	4.11	1.93	2.00
Keiyo	Katalel	11.18	1.74	4.25	2.05	2.00
Kakamega	RRC	9.64	1.34	4.29	2.72	2.00
Embu	Kariari	9.79	0.96	4.64	2.30	2.00
Siaya	Yala 1	9.64	0.83	4.71	1.86	3.00
Kericho	Kapsoit	11.54	1.23	4.75	1.67	2.00
Nakuru	Njoro 2	10.64	1.25	4.86	2.34	2.00
Trans-Nzoia	Endembess	11.43	1.37	5.11	1.83	2.00
Keiyo	Kiptabus	11.71	1.44	5.21	2.11	2.00
Trans-Nzoia	Kitale Prison	12.25	1.32	5.32	2.36	2.00
Kakamega	Butali	11.57	1.32	5.43	1.99	3.00
Embu	RRC	10.64	1.45	5.46	2.19	3.00
Keiyo	Kessup	12.89	1.20	5.54	1.64	2.00
Laikipia	Gatero	11.29	1.74	5.64	1.79	3.00
Thika	Kiriko	11.11	2.15	5.93	2.51	3.00
Kakamega	Musembe	10.32	1.83	6.75	2.24	2.00

The table represents incidence of *P. maydis* leaf spot in Kenya as total mean number of leaves, mean number of diseased leaves, median and severity index.

Sd=Standard deviation

**Table 16.** Incidence of southern leaf blight in Kenya.

District	Location	Total no.		No. of diseased leaves		Severity index
		Mean	SD	Mean	SD	Median
Nakuru	Njoro	11.61	1.50	0.21	0.79	0.00
Nyeri	Karima	11.14	1.46	0.50	1.00	0.00
Laikipia	Gatero	11.29	1.74	0.57	1.03	0.00
Nyandarua	Ndemi	10.36	1.28	0.61	1.03	0.00
Kilifi	Chonyi	8.89	1.57	0.82	1.44	0.00
Kilifi	Matsangoni	8.93	1.44	0.86	1.11	0.00
Nakuru	Molo 1	10.36	2.21	1.21	1.40	0.50
Nyeri	Kiahungu	11.07	1.76	1.25	1.35	0.50
Kilifi	Mtwapa	9.43	1.87	1.64	1.73	2.00
Nyeri	Maganjo	10.46	1.26	1.64	1.77	1.00
Kirinyaga	Kianyag 1	10.50	1.20	1.68	1.83	2.00
Nyeri	Nyaga	10.86	0.76	2.25	1.11	2.00
Embu	Runyenje	13.79	2.15	2.29	2.42	2.00
Nakuru	Njoro 2	10.64	1.25	2.32	2.04	1.00
Kirinyaga	Kianyag 2	12.50	1.37	2.39	1.89	2.00
Nakuru	Molo 2	10.07	1.63	2.43	1.40	2.00
Embu	RRC	10.64	1.45	2.89	1.31	2.00
Muranga	Ruchu	10.21	1.23	3.18	2.65	2.00
Kericho	Tugunon	8.04	1.04	3.21	1.71	2.00
Kiambu	Muguga	8.79	1.07	3.39	1.55	2.00
West Pokot	Chapareria 2	9.71	1.49	3.96	2.03	2.00
Kirinyaga	Ndia	11.07	1.25	4.39	2.18	2.00
West Pokot	Kapenguria	12.43	1.62	4.61	1.73	2.00
Embu	Kariari	9.79	0.96	4.71	2.40	2.00
West Pokot	Chapareria	8.89	0.96	4.75	2.27	2.00
Nakuru	Bahati 2	11.46	2.41	4.89	3.64	2.00
Kwale	Mwalumba	11.25	1.08	5.00	2.45	2.00

**Table 16.** Cont. Incidence of southern leaf blight in Kenya.

District	Location	Total no.		No. of diseased leaves		Severity index	
		Mean	SD	Mean	SD	Median	
Trans-Nzoia	Endembess	11.43	1.37	5.04	3.80	2.00	
Nakuru	Bahati	11.54	1.26	5.68	2.58	2.50	
Uashin-Gishu	Kesses	10.75	1.35	6.25	2.61	2.00	
Trans-Nzoia	Kiminini	9.04	1.35	6.86	2.97	3.00	
Kericho	Kapsoit	11.54	1.23	6.96	2.77	2.00	
Trans-Nzoia	Mois-bridge	10.96	0.74	7.04	2.77	3.00	
Keiyo	Katalel	11.18	1.74	7.29	3.46	3.00	
Uashin-Gishu	Kapsaret	10.86	1.30	7.64	3.80	2.00	
Keiyo	Kessup	12.89	1.20	7.68	2.37	3.00	
Kakamega	RRC	9.64	1.34	9.64	1.34	5.00	
Trans-Nzoia	Kitale Prison	12.25	1.32	10.00	3.79	3.00	
Kakamega	Musembe	10.32	1.83	10.32	1.83	3.00	
Bungoma	Ndaru	11.25	1.53	10.57	2.39	3.00	
Kakamega	Butali	11.57	1.32	10.82	1.54	4.00	
Keiyo	Kiptabus	11.71	1.44	10.96	2.22	3.00	

The table represent s incidence of *B. maydis* as mean total number of leaves, mean diseased number of leaves, severity index, and median measure of severity. SD=standard deviation. The means are for forty two locations.

**Table 17.** Incidence of *Puccinia* Spp. maize leaf rust in Kenya.

District	Location	Total no.		No. of diseased leaves		Severity index
		Mean	SD	Mean	SD	Median
Kwale	Mwalumba	11.25	1.08	2.29	2.29	2.00
Nyandarua	Huhirio	10.82	1.54	2.82	2.33	2.00
Keiyo	Kiptabus	11.71	1.44	3.79	2.13	2.00
Kilifi	Mtwapa	9.43	1.87	3.93	1.76	2.00
Laikipia	Gatero	11.29	1.74	4.50	3.24	2.00
Nakuru	Bahati 2	11.46	2.41	4.79	3.20	2.00
Nakuru	Molo 2	10.07	1.63	5.11	2.36	2.00
Keiyo	Katalel	11.18	1.74	5.25	3.01	2.00
Uashin-Gishu	Kapsaret	10.86	1.30	5.43	3.37	2.00
Kilifi	Matsangoni	8.96	1.45	6.11	2.38	3.00
Kilifi	Chonyi	8.89	1.57	6.25	2.44	2.00
Kwale	Kikoneni	11.82	1.94	6.43	3.46	2.00
Uashin-Gishu	Kesses	10.75	1.35	7.61	3.68	3.00
Trans-Nzoia	Mois-bridge	10.96	0.74	7.75	2.24	2.00
Nakuru	Molo 1	10.36	2.21	7.93	2.55	3.00
Trans-Nzoia	Kitale Prison	12.25	1.32	8.07	3.02	3.00
Nyandarua	Ndemi	10.36	1.28	8.21	2.13	3.00
Trans-Nzoia	Endembess	11.46	1.35	8.39	3.80	3.00
Nakuru	Njoro 2	10.64	1.25	8.86	1.56	3.00
Kwale	Kodzo	10.86	1.96	9.61	2.85	4.00
Nakuru	Njoro	11.61	1.50	9.68	3.07	3.00
Nakuru	Bahati	11.75	0.97	9.79	2.57	3.00
Keiyo	Kessup	12.89	1.20	10.11	1.77	3.00

The table represents incidence of rust as means of total and diseased leaves by *P. sorghi* and *P. polysora*. The means are for 28 plants per location. SD=Standard Deviation.