

Table 1. Data on stage-gate advanced Fall Armyworm-tolerant CIMMYT maize hybrids vis-à-vis commercial checks, based on various trials conducted in eastern Africa in 2020.

Hybrid	Maturity category	Grain Yield (tons/ha)					Drought Stress	FAW Scores				Grain Yield (t/ha) under Diseases		Disease scores (on 1-9 scale; 1: Highly resistant; 9: Highly susceptible)				Agronomic Traits										Flowering Synchrony & Seed Producibility		
		FAW artificial infestation ("No choice" experiment)	On-Farm trials (under FAW natural infestation)	Regional Station (Optimum)	Managed Low Nitrogen Stress	Managed Drought Stress		Foliar Damage (Artificial Infestation; No-Choice Trial)	Foliar damage (Very low FAW natural infestation)	Ear damage (Artificial Infestation; No-Choice Trial)	Ear damage (Very low FAW natural infestation)	GLS (Artificial Inoculation)	TLB (Artificial Inoculation)	GLS (Artificial Inoculation)	TLB (Artificial Inoculation)	Grain Moisture (%)	Anthesis Date (d)	Anthesis Silking Interval	Plant Height (cm)	Ear Height (cm)	Ear Position (0-1)	Ear Lodging (%)	Stalk Lodging (%)	Ears per Plant (#)	Bad Husk Cover (%)	Plant Stand (#)	Ear Aspect (1-9)	Plant Aspect (1-9)	Single-cross parent seed yield	Parents flowering Split (in days)
FAWTH2001	Intermediate	7.1	6.0	7.3	4.1	1.2	3.5	3.2	2.1	1.9	7.5	6.4	5.9	6.0	18.3	70	3	209	111	0.8	8.5	5.0	1.1	5.7	29	2.5	2.7	10.09	1	
FAWTH2002	Intermediate	7.9	5.9	7.2	3.7	1.6	4.1	3.3	2.1	1.9	5.9	5.5	5.9	5.5	18.7	70	3	205	110	0.8	7.7	5.9	1.1	5.5	32	2.6	2.8	5.76	1	
FAWTH2003	Intermediate	8.6	5.2	7.2	3.7	1.7	3.6	3.2	2.2	1.9	6.0	5.8	5.8	6.7	18.3	72	3	210	117	0.7	8.1	6.4	1.0	9.2	34	2.7	2.9	6.98	-1	
Commercial Check-1	Intermediate	1.0	6.1	7.9	4.7	2.1	6.2	4.0	3.7	2.0	8.7	4.9	4.6	5.8	18.1	72	1	196	94	0.6	6.9	4.4	1.0	8.1	35	2.6	2.6			
Commercial Check-2	Intermediate	0.9	6.8	9.1	4.2	1.3	6.3	4.1	4.0	2.1	6.9	4.6	3.6	6.2	18.7	70	3	218	106	0.6	10.1	8.0	1.0	9.6	34	2.5	2.7			
Heritability		N/A	0.9	0.9	0.5	0.7	N/A	0.9	N/A	0.8	0.9	0.7	0.9	0.8	0.7	0.9	0.8	0.8	0.9	0.6	0.4	0.5	0.7	0.8	0.9	0.6	0.4			
LSD		N/A	0.7	1.0	1.0	0.97	N/A	0.3	N/A	0.3	2.2	2.6	1.7	1.4	0.8	1.7	0.7	11.3	7.1	0.1	4.5	3.0	0.1	5.9	2.7	0.3	0.3			
CV		N/A	17.3	19.3	25.6	28.7	N/A	10.3	N/A	17.2	11.6	17.6	13.8	11.8	7.6	2.0	72.5	7.7	7.4	12.0	92.1	109.9	10.8	54.5	9.5	16.7	12.5			
Trial Mean		3.8	5.7	7.5	4.1	1.6	4.7	3.5	3.3	2.1	7.3	5.9	5.3	5.7	18.4	69	1.7	210	105	0.7	8.6	5.5	1.1	11.0	32	2.6	2.7			
Total No. of Entries		12	12	58	58	58	12	12	12	12	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58			
No. of Replicates		1	16	2	2	2	1	6	1	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
No. of Environments		1	16	6	4	1	1	6	1	6	1	1	1	1	5	6	6	6	6	6	5	4	5	5	5	6	6	5		
Note: The "No-Choice" Trials are undertaken with single entry per greenhouse, with no replications, and under FAW artificial infestation. Therefore, no statistical parameters like Heritability, LSD, and CV are applicable.																														