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**Table 1: YIELD PERFORMANCE OF DIFFERENT VARIETIES AWAY AND UNDER MUSANGU TREE**

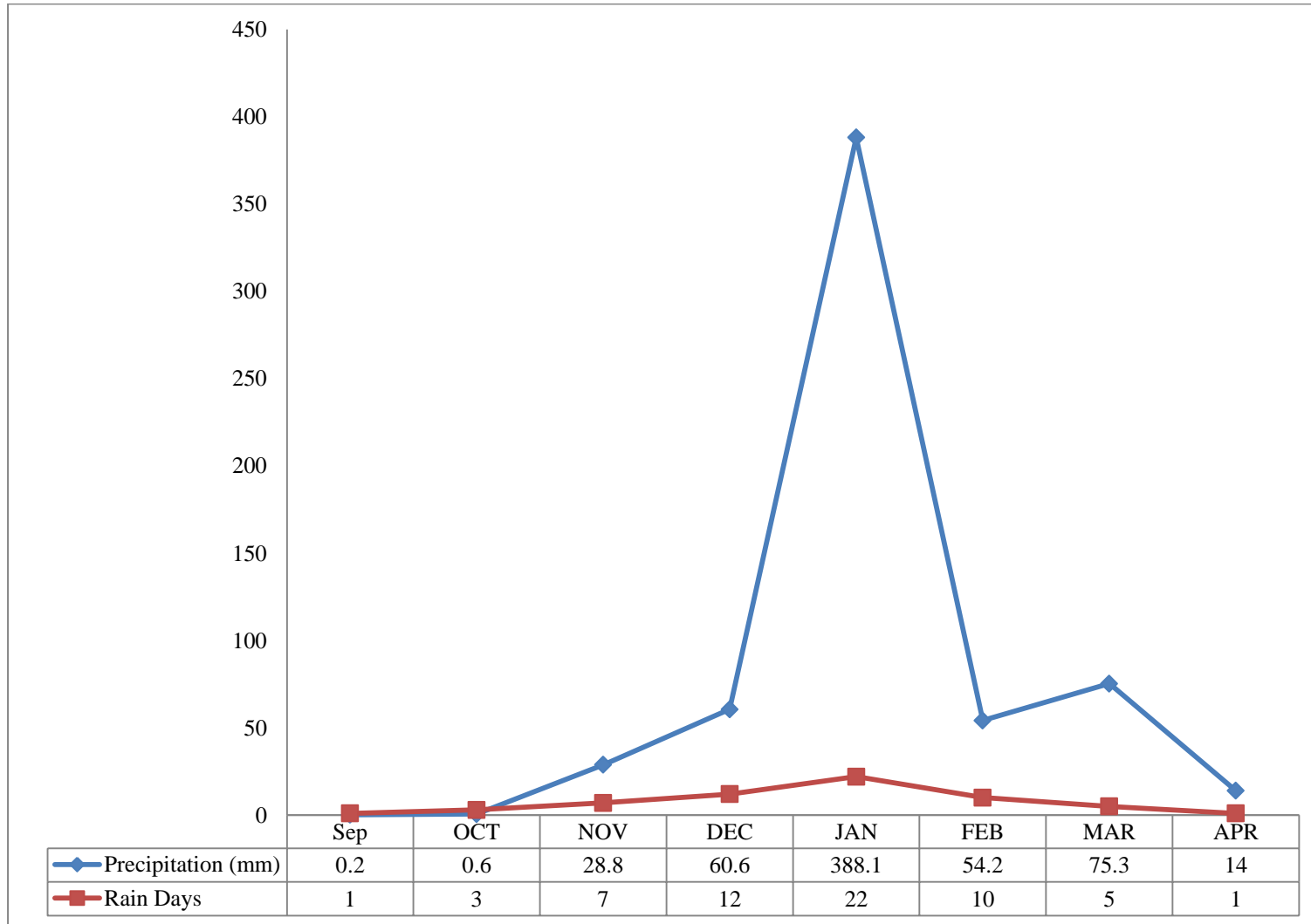
Variety	Maize Yield @12% MC (Mt/Ha)		1000 Grain Weight (g)		Days to 50% Tasseling		Days to 50% Silking		Plant Height		Plant Vigour at Vegetative	
	Under Big Musangu	Away from Big Musangu	Under Big Musangu	Away from Big Musangu	Under Big Musangu	Away from Big Musangu	Under Big Musangu	Away from Big Musangu	Under Big Musangu	Away from Big Musangu	Under Big Musangu	Away from Big Musangu
PHB-30G19-6	2.847 (a)	3.047 (a)	352 (ab)	410 (ab)	63.67 (bc)	62 (bc)	66 (d)	65.33 (a)	238 (a)	248.3 (a)	2.333 (a)	1.667 (a)
DK80-23	2.363 (a)	3.24 (a)	384 (ab)	436 (ab)	61.33 (ab)	61.33 (b)	65 (c)	64 (a)	255.3 (a)	248 (a)	3(a)	2 (a)
ADV-2302	2.44 (a)	3.343 (a)	446 (b)	455.3 (ab)	62 (ab)	62 (bc)	63 (b)	63 (a)	264.7 (a)	258.3 (a)	2(a)	2 (a)
SC555	3.297 (a)	3.39 (a)	404.7 (ab)	498.7 (b)	66 (c)	63 (d)	68 (f)	65 (a)	263.3 (a)	252.3 (a)	3 (a)	1.333 (a)
KAM618	2.64 (a)	3.453 (a)	419.7(ab)	439.3 (ab)	58.67 (a)	58 (a)	60 (a)	63 (a)	257.7 (a)	248.3 (a)	2 (a)	1 (a)
ZM606	2.953 (a)	3.497 (a)	376 (ab)	435.3 (ab)	63 (bc)	62 (bc)	65 (c)	64 (a)	257 (a)	244.3 (a)	2.667(a)	2 (a)
ZM638	3.587 (a)	3.673 (a)	402 (ab)	383.7 (a)	64 (bc)	64 (e)	66 (d)	66 (a)	257.7 (a)	257.7 (a)	3 (a)	2 (a)
AF635	3.267 (a)	3.82 (a)	359 (ab)	412.3 (ab)	63 (bc)	63 (d)	67 (e)	64 (a)	248 (a)	249.7 (a)	2.667 (a)	2 (a)
SC547	3.79 (a)	3.88 (a)	439.7 (b)	471.3 (ab)	62 (ab)	62.67 (cd)	63 (b)	63.67 (a)	250 (a)	248 (a)	2.333 (a)	2 (a)
AF638	3.457 (a)	4.503 (a)	312.7 (a)	392.3 (ab)	64 (bc)	64 (e)	68 (f)	66 (a)	236 (a)	246 (a)	3 (a)	1.333 (a)
PAN53	3.63 (a)	4.507 (a)	374.3 (ab)	419.3 (ab)	63 (bc)	64 (e)	65.67 (d)	66 (a)	242 (a)	253.3 (a)	2.667 (a)	1.667 (a)
SC418	3.38 (a)	4.627 (a)	366.7 (ab)	399.3 (ab)	64 (bc)	62 (bc)	66 (d)	63 (a)	253.3 (a)	250 (a)	3 (a)	2 (a)

*Note figures with same letters are not significantly different from each other at 5% level of significance*

**Agronomic Practices**

1. Planted on 6/01/2022
2. Harvested on 21/06/2022
3. D application @ 200Kg/ Ha
4. Urea application @ 200Kg/ Ha
5. Pre Herbicide control with Glyphosate @ 4ltrs/ Ha (Once)
6. Early Post weed control with Lumax @ 3Ltrs/ Ha (Once) and spot weeding (Once)
7. Pest Control with Denim fit @150g/ Ha (Once)

**2021/ 2022 FARMING SEASON RAINFALL DATA**



**Figure 1: 2021/2022 Precipitation and Rain Days from September - April**