

CALENDAR OF ACTIVITIES

Effect of Dumangan Prime Fertilizer on the Growth and Yield Performance of **Corn** (*Zea mays*)

DATE	DAYS AFTER PLANTING (DAP)	ACTIVITIES
June 04, 2024	0	Collection of soil sample for soil analysis
June 05, 2024	0	Land preparation
June 06, 2024	0	Lay outing of experimental area
June 07, 2024	0	Irrigation before planting
June 12, 2024		Direct planting of corn seeds
June 22, 2024	10	<p>1st Treatment application 3 split application of Dumangan Prime Fertilizer (DPF) together with NPK</p> <ul style="list-style-type: none"> - 5.33g - T4, T5, T6, T22, T23, T24 - 8.00 g - T7, T8, T9, T25, T26, T27 - 10.66 g - T10, T11, T12, T28, T29, T30 - 13.33 g - T13, T14, T15, T31, T32, T33 - 16.00 g - T16, T17, T18, T34, T35, T36 <p>Once application of Dumangan Prime Fertilizer (DPF) together with the 1st application of NPK</p> <ul style="list-style-type: none"> - 16 g - T37, T38, T39, T52, T53, T54 - 24 g - T40, T41, T42, T55, T56, T57 - 32 g - T43, T44, T45, T58, T59, T60 - 40 g - T46, T47, T48, T61, T62, T63 - 48 g - T49, T50, T51, T64, T65, T66
June 29, 2024	17	Spraying of herbicide (Round-up)
July 02, 2024	20	<p>2nd Treatment application 3 split application of DPF together with NPK</p> <ul style="list-style-type: none"> - 5.33g - T4, T5, T6, T22, T23, T24 - 8.00 g - T7, T8, T9, T25, T26, T27 - 10.66 g - T10, T11, T12, T28, T29, T30 - 13.33 g - T13, T14, T15, T31, T32, T33 - 16.00 g - T16, T17, T18, T34, T35, T36
July 12, 2024	30	<p>3rd Treatment application 3 split application of DPF together with NPK</p> <ul style="list-style-type: none"> - 5.33g - T4, T5, T6, T22, T23, T24 - 8.00 g - T7, T8, T9, T25, T26, T27 - 10.66 g - T10, T11, T12, T28, T29, T30 - 13.33 g - T13, T14, T15, T31, T32, T33 - 16.00 g - T16, T17, T18, T34, T35, T36
Oct. 05 - 10, 2024	115 - 120	<p>Data gathering at harvest</p> <ul style="list-style-type: none"> - Number of ears per plot - Weight (kg) of fresh ears with husks per plot - Weight (kg) of fresh ears without husks per plot - Dry weight of kernel (tons/ha) - Biomass weight (kg) of 10-randomly selected sample plants