

Table 1 Influence of inorganic fortification treatment on *Jatropha curcas* seeds with different concentrations under controlled germination room condition

Nutritions (N)	Concentrations (C)					
	0.5%	1%	Mean	0.5%	1%	Mean
	Germination (%)			Shoot length (cm)		
Thiourea	38 (38.1)	40 (39.2)	39 (38.7)	28.1	27.2	27.7
KNO ₃	48 (43.9)	48 (43.9)	48 (43.9)	30.1	28.0	29.1
K ₂ SO ₄	58 (49.6)	45 (42.1)	52 (45.9)	30.8	30.5	30.7
KH ₂ PO ₄	53 (46.7)	45 (42.1)	49 (44.4)	31.3	29.7	30.5
Na ₂ HPO ₄	43 (41.0)	43 (41.0)	43 (41.0)	28.3	28.2	28.3
ZnSO ₄	46 (42.7)	35 (36.2)	41 (39.5)	29.7	27.2	28.5
FeSO ₄	48 (43.9)	48 (43.9)	48 (43.9)	30.7	30.0	30.4
MgSO ₄	43 (41.0)	28 (31.9)	36 (36.5)	30.5	29.5	30.0
MnSO ₄	48 (43.9)	43 (41.0)	46 (42.7)	30.1	29.9	30.0
NaCl	35 (36.2)	33 (35.0)	34 (35.7)	30.9	28.6	29.8
Water	45 (42.1)	45 (42.1)	45(42.1)	27.8	27.8	27.8
Control	32 (34.1)	32 (34.1)	32 (34.1)	26.1	26.1	26.1
Mean	44 (42.0)	40 (39.7)		29.4	28.7	
CD (P=0.05)	N	C	N x C	N	C	N x C
	8.1	3.3	NS	2.1	NS	NS
Nutrients (N)	Root length (cm)			Fresh weight / 10 seedlings (g)		
Thiourea	5.7	5.0	5.4	32.8	36.0	34.4
KNO ₃	6.0	5.3	5.7	44.1	36.5	40.3
K ₂ SO ₄	6.4	6.1	6.3	48.6	54.0	51.3
KH ₂ PO ₄	7.5	6.1	6.8	37.1	44.2	40.7
Na ₂ HPO ₄	5.6	5.0	5.3	38.5	35.5	37.0
ZnSO ₄	6.0	3.6	4.8	39.7	33.2	36.5
FeSO ₄	6.5	5.6	6.1	45.5	49.0	47.3
MgSO ₄	5.7	5.0	5.4	45.2	44.2	44.7
MnSO ₄	6.1	5.6	5.9	55.4	49.4	52.4
NaCl	5.5	5.2	5.4	44.7	43.6	44.2
Water	5.0	5.0	5.0	40.2	40.2	40.2
Control	4.3	4.3	4.3	38.1	38.1	38.1
Mean	5.8	5.3		43.2	42.6	
CD (P=0.05)	N	C	N x C	N	C	N x C
	1.1	0.5	NS	6.0	NS	NS
Nutrients (N)	Dry weight / 10 seedlings (g)			Vigour index		
Thiourea	2.7	2.8	2.8	1222	1354	1288
KNO ₃	3.4	2.2	2.8	1734	1593	1663
K ₂ SO ₄	3.2	3.2	3.2	2139	1667	1903
KH ₂ PO ₄	2.7	3.1	2.9	2053	1616	1834
Na ₂ HPO ₄	2.8	2.5	2.6	1453	1440	1446
ZnSO ₄	2.9	3.3	3.1	1640	1079	1360
FeSO ₄	3.1	2.7	2.9	1749	1744	1746
MgSO ₄	2.5	3.1	2.8	1555	965	1260
MnSO ₄	3.4	3.0	3.2	1513	1549	1531
NaCl	3.1	2.4	2.7	1278	1100	1189
Water	2.7	2.7	2.7	1491	1458	1474
Control	2.4	2.4	2.4	964	964	964
Mean	2.9	2.8		1566	1377	
CD (P=0.05)	N	C	N x C	N	C	N x C
	NS	NS	NS	320.6	130.9	NS