

Table (15)
*Dry weight and chemical composition of sorghum plants grown
on sandy soil packed in imperforated pots.*

Treatments		Dry wight	Mineral constituents (Me /100g)					
Total salt concentration p p m	SAR	gm.	Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P
	1	1.83	8.20	39.20	75.00	1.70	238.30	0.98
500	10	1.83	22.30	43.00	50.80	13.30	166.70	1.00
	20	2.92	33.20	44.70	31.70	31.70	230.00	0.97
Average		2.19	21.23	42.30	52.50	15.57	212.67	0.98
	1	1.83	26.60	39.20	77.50	1.70	188.30	0.75
2000	10	1.17	40.50	40.90	59.20	7.50	165.00	0.70
	20	1.50	48.70	39.40	50.00	13.30	176.70	0.67
Average		1.50	38.60	39.83	62.23	7.50	176.67	0.71
	1	0.41	23.60	26.80	190.00	25.00	202.50	0.35
5000	10	0.42	50.80	31.70	120.00	26.50	147.50	0.59
	20	0.25	60.50	29.10	94.20	28.30	145.00	0.28
Average		0.36	44.97	29.20	134.73	26.60	165.00	0.41

Table (16)
*Dry weight and chemical composition of sorghum plants grown
on clay soil packed in imperforated pots.*

Treatments		Dry wight gm.	Mineral constituents (Me /100g)						
Total salt concentration p p m	SAR		Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P	
500		1	23.42	5.40	45.10	29.20	30.00	85.00	0.42
		10	21.83	80.30	43.50	25.00	34.20	86.70	0.44
		20	23.00	19.00	42.60	30.00	28.30	91.70	0.41
Average			22.75	11.57	43.73	28.07	30.83	87.80	0.42
2000		1	18.42	6.60	44.30	37.50	29.20	100.00	0.42
		10	17.75	9.90	39.60	30.80	33.30	98.30	0.38
		20	14.67	36.80	36.20	30.00	29.20	116.70	0.44
Average			16.95	17.77	40.03	32.77	30.57	105.00	0.41
5000		1	11.33	12.40	34.10	53.30	40.00	118.30	0.47
		10	15.42	29.70	34.90	42.50	42.50	106.70	0.40
		20	11.83	35.10	38.40	50.80	45.00	108.30	0.50
Average			12.86	25.73	35.80	48.87	42.50	111.10	0.46

Table (17)
*Dry weight and chemical composition of sorghum plants grown
on calcareous soil packed in imperforated pots.*

Treatments		Dry weight gm.	Mineral constituents (Me /100g)					
Total salt concentration p p m	SAR		Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P
	1	7.00	4.00	45.60	26.70	5.80	130.00	0.67
500	10	8.33	4.60	46.10	24.20	10.80	158.00	0.77
	20	9.33	4.10	41.70	23.30	17.50	151.70	0.73
Average		8.22	4.23	44.47	24.73	11.37	146.57	0.72
	1	7.42	3.70	42.62	49.20	32.50	130.00	0.77
2000	10	7.00	5.80	38.30	40.00	27.50	133.30	0.87
	20	8.83	5.00	37.50	37.50	30.80	138.30	1.00
Average		7.75	4.83	39.47	42.23	30.27	133.87	0.88
	1	6.67	4.10	34.90	70.80	33.30	155.00	0.93
5000	10	5.33	5.40	40.90	66.70	44.20	148.30	0.80
	20	5.25	7.00	38.40	38.30	37.50	148.30	0.77
Average		5.75	5.50	38.07	58.60	38.30	150.53	0.83

Table (18)
*Dry weight and chemical composition of sorghum plants grown
on sandy soil packed in perforated pots.*

Treatments		Dry wight gm.	Mineral constituents (Me /100g)					
Total salt concentration p p m	SAR		Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P
	1	1.25	7.40	48.60	32.50	10.00	121.70	1.12
500	10	1.92	14.90	46.40	21.70	3.30	100.00	1.20
	20	1.83	18.20	48.20	14.20	21.70	125.00	1.30
Average		1.67	13.50	47.73	22.80	11.67	115.57	1.21
	1	1.23	8.20	39.20	53.30	1.70	120.00	1.10
2000	10	1.33	29.80	41.70	40.80	4.20	126.70	1.31
	20	1.52	36.30	43.50	35.00	10.80	138.30	1.41
Average		1.36	24.77	41.74	43.03	5.57	128.33	1.27
	1	0.57	14.90	27.30	183.30	29.20	178.30	0.48
5000	10	0.75	24.80	30.10	90.80	12.50	155.00	0.65
	20	0.25	50.00	33.20	115.80	29.20	240.00	0.31
Average		0.52	29.90	30.20	129.97	23.63	191.10	0.48

Table (19)
Dry weight and chemical composition of sorghum plants grown
on clay soil packed in perforated pots.

Treatments		Dry wight gm.	Mineral constituents (Me /100g)						
Total salt concentration p p m	SAR		Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P	
500		1	22.92	5.00	40.90	11.70	32.50	100.00	0.50
		10	24.83	5.80	45.20	18.30	35.00	116.70	0.40
		20	25.17	7.40	43.40	15.80	35.00	103.30	0.38
2000		Average	24.31	6.07	43.17	15.27	34.17	106.67	0.43
		1	24.08	6.20	41.30	18.30	30.00	126.70	0.41
		10	20.67	21.50	40.00	25.80	17.50	111.70	0.47
5000		20	18.83	47.50	34.10	29.20	10.00	135.00	0.27
		Average	21.19	25.07	38.47	24.43	19.17	124.47	0.38
		1	17.08	14.90	34.50	33.30	23.30	143.30	0.36
		10	18.25	45.40	32.00	26.70	21.70	161.70	0.30
		20	19.83	49.60	34.50	21.70	22.50	140.00	0.38
		Average	18.39	36.63	33.67	27.23	22.50	148.33	0.35

Table (20)
Dry weight and chemical composition of sorghum plants grown
on calcareous soil packed in perforated pots.

Treatments		Dry wight	Mineral contituents (Me /100g)					
Total salt concentration p p m	SAR	gm.	Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	N	P
	1	10.17	4.60	49.90	22.50	18.30	226.70	0.70
500	10	9.58	5.00	49.20	20.80	29.20	236.70	0.73
	20	9.58	5.00	49.90	12.50	13.30	218.30	0.77
Average		9.78	4.87	49.67	18.60	20.27	227.23	0.73
	1	8.00	5.00	45.00	30.00	10.00	205.00	0.81
2000	10	9.33	7.40	45.80	28.40	9.20	210.00	0.79
	20	4.17	9.10	46.00	20.80	21.70	188.30	0.83
Average		7.17	7.17	45.60	26.40	13.63	201.10	0.81
	1	3.17	13.20	46.20	74.20	13.30	206.70	0.63
5000	10	4.50	14.50	45.00	56.70	28.30	180.00	0.63
	20	5.67	23.10	44.70	31.70	27.50	175.00	0.65
Average		4.45	16.93	45.30	54.20	23.03	187.23	0.64