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Grain Sorghum Seeding rates	Table 1.	<20	Average a 20–26	nended plan annual rainf. 26-32	all (inches >32	d spacings.) Irrigated	
		-	Target pla	ants per acr	e (x 1,000)	
Average annual rainfall for		23-27	25-45 Seeds/arm (35-55 x 1.000-709	50-90	80-110	
Midway District		30-35	35-64	50-80	70-125	110-150	
25 - 30 inches	Row Spacing	Within-row seed spacing at planting assuming 70% field emergence				uming 70%	
seeding rate assuming 70%	8-inch	26-22	22-12	16-10	11-6	7-5	
emergence	10-inch	21-18	18-10	13-8	9-5	5-4	
35,000 – 64,000 seeds/acre	20-inch	10-9	9-5	6-4	4-2	3-2	
Targeted plants/acre final	30-inch	7-6	6-3	4-3	3-2	2-1	
stand	Table 2. Seed size factor, average seed weight and seeds per pound as related to the crop condition.						
25,000 – 45,000	Yield Rar (bu/a)	ige C	Crop	Averag Seed Wei (g/1,00	je ight 0)	Seeds Per Pound	
	<50		lery Poor	24.5		18,52	X
	50-10	2	Poor	25.5		17,79	THE P
	150-20	0	Good	25.6		17,51	BILL THE
	>200	Č 1	excellent	25.5		17,79	



















Figure 11. Nitrogen uptake in sorghum biomass, and grain yield.
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Example: 150 bu ~ 230 lbs of N total uptake
N from OM (2%)= 40 lbs
• N from OM (2%)= 40 lbs
• Some profile N?= 30 lbs
40 + 40 + 30 = 110 lbs of N from the soil
230 - 110=
• Total plant N uptake (lbs/aree)













