

NAME OF TEST: Evaluation of Kleingrass Accessions.

OBJECTIVES: To evaluate selected kleingrass accessions (clones) for yield, leaf yield and response to clipping.

EXPERIMENTAL PROCEDURE:

Experiment No.: 3869

Location: Brazos River Valley Lab near College Station

Soil type: Miller clay

Cultural practices: Plants from open-pollinated seed were started in the greenhouse and transplanted to the field May 31, 1962. Plots consisted of single 40-inch rows, 12 feet long, plants 1 foot apart in the row, 5 replications. The plants were irrigated, cultivated during establishment and following the first clipping.

RESULTS: See table.

DISCUSSION: Accessions differed widely in yield and leaf yield. Growth habit of the parent clones did not influence production. Response of the various growth types to clipping will be observed in subsequent years. Leaf percentages based on leaf-stem separations were low even with the best lines. Lines differed in leaf percentage and some lines which were not in the top group for total yield were in the top group for leaf yield because of a high leaf percentage.

PROJECT: Hatch 387

WORKER: E. G. Holt

DATE SUBMITTED: March, 1963.

Forage yield, leaf yield and leaf percentage of kleingrass accessions with varying growth habits, BRVL, 1962.

Accession	Pounds dry matter per acre						Average percent leaves
	Forage yield			Leaf yield			
	8/24	10/24	Total	8/24	10/24	Total	
396-8-5-7 (D) <sup>1/</sup>	4640	3750	8390 a	1000	810	1810 a	21.6
324-14I-5-9 (D)	5150	3130	8280 ab	900	560	1460 ab	17.6
396-13-10-10 (D)	3700	4230	7930 abc	640	730	1370 bcd	17.3
396-13-10-7 (D)	3760	3190	6950 abc	740	620	1360 bcde	19.6
324-4-2-1 (I)	3480	3380	6860 abc	620	610	1230 bcdefg	17.9
330-3-2-6 (D)	3700	3130	6830 abc	650	550	1200 bcdefg	17.6
327-4-7-5 (D)	3700	3110	6810 abc	810	700	1500 ab	22.0
330-11-9-1 (D)	3440	3170	6610 bcd	730	680	1410 b	21.3
396-13-10-5 (D)	3660	2870	6530 bcde	860	690	1550 ab	23.7
327-4-7-1 (I)	3600	2790	6390 cde	760	610	1370 b	21.4
322-9I-4-1 (T)	3690	2550	6240 cde	780	560	1340 bcdef	21.5
324-11I-6-10 (T)	3250	2930	6180 cde	790	680	1470 ab	23.8
330-11-9-6 (D)	3200	2980	6180 cde	510	490	1000 fg	16.2
324-2-2-8 (I)	2320	2530	4850 e	440	470	910 g	18.8

<sup>1/</sup> Growth habits: D = decumbent, I = intermediate, T = tall.