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Management systems for sheep.

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TITLE : Management Systems For Sheep

PERSONNEL : P.Doyle, L.Cransberg, P.Evans

DATE : 1991

TRIAL NUMBER : 89KA6

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AIMS : To measure the effects of set stocking and strip (ration) grazing on:

- i) Pasture production, composition and quality;
- ii) Sheep production (liveweight, condition score, wool growth rate, fibre diameter, strength and vegetable matter contamination).

TRIAL SITE : R & J Young, Kojonup.

TREATMENTS :

- i) Set stocked at 20 DSE
- ii) Ration grazed at 20 DSE

PASTURE ASSESSMENT RESULTS 1990 :

1. Dry matter production :

TABLE 1 : 1990 DRY MATTER ON OFFER (KG/HA)

PLOT NO.	31-Jan	7-May	31-May	22-Jun	12-Jul	3-Aug	23-Aug	14-Sep	4-Oct	25-Oct	16-Nov
1	1242	787	990	1413	1143	1105	932	1505	1743	1899	1863
2	1745	726	1204	1909	1513	1541	1328	2522	3586	1773	1914
3	1006	693	980	1222	968	1042	890	1301	1421	1541	1613
4	1265	709	1090	1453	1261	1172	1220	2106	1095	1685	1752
5	1428	773	991	1307	1023	1130	948	1439	1885	1770	1826
6	866	835	1676	2061	1775	2113	1927	3248	2817	816	1411
7	1867	867	1146	1329	1038	1117	911	1419	1585	2002	1966
8	2857	1246	1902	2324	1149	1457	1156	2556	3582	1879	2213

Treatments :											
Set Stocked	780	1027	1318	1043	1098	920	1416	1659	1803	1817	
Ration Grazed	879	1468	1937	1424	1571	1408	2608	2770	1538	1822	

TABLE 2 : SILAGE PRODUCTION FROM RATION GRAZED PLOTS (KG/HA)

	7-Jul	2-Oct	8-Oct	10-Oct	TOTAL
PLOT 2			986.84		987
PLOT 4		1936.38			1936
PLOT 6			2051.72		2052
PLOT 8	860.11			2997.87	3858

TABLE 3 : PASTURE GROWTH RATES (KG/HA/DAY)

PLOT NO.	3-Aug. to 23-Aug	23-Aug to 14-Sep	14-Sep to 4-Oct	4-Oct to 25-Oct	25-Oct to 16-Nov
1	0.2	72.2	96.9	81.9	21.9
2	0.0	43.6	13.8	92.9	53.8
3	4.3	52.6	38.3	81.7	24.4
4	8.5	55.1	-54.7	44.9	19.8
5	0.6	57.6	62.9	60.5	19.5
6	-7.5	43.5	-26.6	53.2	26.4
7	3.0	48.2	57.5	89.9	43.3
8	14.7	91.2	25.0	6.9	1.0

Treatments :

Set Stocked	2.00	57.64	63.92	78.52	27.2
Ration Grazed	3.91	58.33	-10.65	49.47	25.26