

BRASSICA FORAGE SELECTION AND PRODUCTION GUIDE

YIELD/PRODUCTION (BASED ON AVERAGE YIELD)

SUMMER/AUTUMN FEED		Forage Brassica		Rape			Turnips
		PASJA **	WAIROA	TITANT™	BONAR	GOLIATH®	BARKANT™
Sowing Rate (kg/ha)		3-4	3-4	3-4	3-4	3-4	1-3
Days to Grazing		42-70	70-85	70-90	90-110	90-110	60-90
Regrowth Ability	Regrowth	V. High	Mod	High	Mod	Mod-High	Nil
	No. of grazings	3+	2	2	2	2	1
Crude Protein%*	Stem/Bulb	-	10-14	10-14	10-14	10-14	10-16
	Tops	13-22	15-24	15-24	15-24	15-24	12-22
Potential Yield (kgDM/ha)		12,000	10,000	10,000	10,000	10,500	15,000
Metabolisable Energy (MJ/kgDM)		13.6	12.8	12.8	12.8	12.8	13.6
Average Yield (kgDM/ha)		9,000	7,000	9,000	9,000	9,500	10,000
Digestibility		85	80	80	80	80	85
% Utilisation		75	75	90	80	80	90
Average Feed Available (kgDM/ha)		6,750	5,250	8,100	7,200	7,600	9,000
COWS - Number of cows (450kg) in mid lactation fed at 1/3 daily ration on brassica per hectare for 30 days		45	35	54	48	51	60
SHEEP - Number of lambs (28kg LW, growing at 200g/day) able to be fed on one hectare for 30 days		150	117	180	160	169	n/r

Assumptions: Cows intake 16kg DM/hd/day = 5kg DM/hd/day as brassica Lambs intake = 1.5kg DM/hd/day as brassica

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WINTER FEED		Winter Feed Turnip			Kale			Swedes			
		YORK	APPIN	GREEN GLOBE	REGAL®	KESTREL	GRUNER	MAJOR PLUS	WINTON	HIGHLANDER	APARIMA GOLD
Sowing Rate (kg/ha)		0.8-1.5	1-3	0.8-2.0	3-4	3-4	3-4	0.8-1.5	0.8-1.5	0.8-1.5	0.8-1.5
Days to Grazing		60-80	60-100	90-120	150-220	150-220	150-220	150-230	160-240	170-250	170-250
Regrowth Ability	Regrowth	Nil	High	Nil	Low	Low	Low	Nil	Nil	Nil	Nil
	No. of grazings	1	2+	1	1	1	1	1	1	1	1
Crude Protein%*	Stem/Bulb	10-16	-	10-16	8-12	8-12	8-12	8-12	8-12	8-12	8-12
	Tops	13-22	13-22	13-22	15-20	15-20	15-20	15-24	15-24	15-24	15-24
Potential Yield (kgDM/ha)		8,000	8,500	10,000	18,000	12,000	17,000	16,000	18,000	18,000	18,000
Metabolisable Energy (MJ/kgDM)		13.6	12.8	13.6	12.8	12.8	12.8	13.9	13.9	13.9	13.9
Average Yield (kgDM/ha)		6,000	7,500	8,000	12,000	9,500	13,000	13,000	14,000	14,000	14,000
Digestibility		85	80	85	80	80	80	87	87	87	87
% Utilisation		80	80	80	70	70	70	80	80	80	80
Average Feed Available (kgDM/ha)		4,800	6,000	6,400	8,400	6,650	9,100	10,400	11,200	11,200	11,200
COWS - Number of cows (450kg) able to be fed at maintenance on one hectare for 30 days		20	25	27	35	28	38	43	47	47	47
SHEEP - Number of ewes (55kg) able to be fed at maintenance on one hectare for 30 days		160	200	213	280	222	303	347	373	373	373

Assumptions: Cows intake 10kg DM/hd/day for maintenance = 8kg DM/hd/day as brassica
Ewes intake 1.25kg DM/hd/day for maintenance = 1kg DM/hd/day as brassica

NB: For optimum productivity, stock wintered on brassicas should be offered a proportion of their daily intake as hay or straw in addition to brassica.

Key: * = Protein range sourced from several trials over several years, ** = Average yield of Pasja based on 3+ grazings, n/r = not recommended
These figures are indications which allow you to compare animal production achievable on the various brassica options. Remember, many factors other than yield should be considered when choosing your brassica option.