

NOTMAN PASTURE SEEDS



REAL FARM VALUE AND KNOW HOW

*Forage crops for
livestock*



▶ CHICORY

▶ SUMMER
TURNIPS



▶ FORAGE RAPE



Rocket Fuel for Livestock Performance

DESCRIPTION:

A high yielding, leafy chicory showing upright growth, fast establishment, and good drought tolerance, Chico is noted for its strong summer, autumn growth, providing high quality summer forage. Being very high in energy and minerals, Chico has very high livestock performance potential. It is diamondback moth and white butterfly tolerant.

SUITABILITY / USE:

Chico can be used as a specialist and flexible multi-graze summer forage crop for finishing stock, and maximizing milk production, or included as a component of pasture mixes at a sowing rate of 1-2kgs/ha. It is suited for use with all livestock types, and for use throughout the country, but particularly in summer-dry regions as a summer safe forage.

BENEFITS:

- ▶ Very high quality, high yielding summer forage crop
- ▶ High in metabolisable energy and minerals
- ▶ Very high livestock performance potential
- ▶ Improved summer-dry tolerance
- ▶ Fast establishing and rapid re-growth
- ▶ Leafy, succulent and palatable (stock take to it readily)
- ▶ Won't cause grass staggers or facial eczema
- ▶ Its deep root system enables it to mine soil water and minerals
- ▶ Suitable for cattle, sheep, and deer

AGRONOMIC TRAITS					
PERSISTENCE	STOCK PERFORMANCE POTENTIAL*	SOWING RATE (kgs/ha)	SOWING DEPTH (mm)	WINTER ACTIVITY	GROWTH PEAK
1-3 YEARS	9	6-8	10	MEDIUM	SPRING-AUTUMN

*1 = low, 9 = high

PERFORMANCE:

Higher stocking rate, higher liveweight gain, higher carcass weights

Alliance recently ran two lamb live weight gain trials in Cust (harsh dryland site) and Gore, in conjunction with Cropmark. In the trials, stocking rate was adjusted based on feed on offer for each feed option, with the lambs fed ad-lib. **Chico had higher stocking rates, higher live weight gains, more lambs graded prime, with higher carcass weights.**

Alliance lamb live weight gain comparison trial – Gore, Feb/Mar 2011 (28 days)				
	Old Pasture	New Pasture	Swedes	Chico
Stocking rate	16.7	33.3	8.3	37.5
Live weight gain (g/hd/day)	296	350	364	371
% of lambs 'Prime' (> 44kg LW)	76%	80%	78%	84%

Alliance lamb live weight gain comparison trial – Cust, Feb - April 2011 (2 months)				
	LWG (kg)	Av LWG (g/hd/day)	Carcass Wgt (kg)	Yield (%)
Chicory	8.6	157.1	20.4	50
Pasture	7.9	144.2	18	46
Rape	4.6	84.7	18.81	52



DESCRIPTION:

The earliest maturing summer turnip available in Australia, Marco is a tetraploid, tankard type, having an interval from sowing to grazing of just 55-65 days. Marco has a high root to leaf ratio, with large bulb size and good bulb storage ability. It has high grazing preference, is highly palatable, has excellent bolting resistance and high club root resistance.

SUITABILITY / USE:

Marco can be used as a high yielding summer turnip crop in higher rainfall regions of Australia, and with all livestock types. Its very short interval to grazing means less time out of pasture and sowing date flexibility. Two crops of Marco in one season are possible. Marco can be late sown such as after previous crop failure.

AGRONOMIC TRAITS

MATURITY (days to grazing)	PLOIDY	SOWING RATE (kgs/ha)	SOWING DEPTH (mm)	BOLTING RESISTANCE *	GROWTH PEAK
55-65	TETRAPLOID	3	10	9	SUMMER

*1 = low, 9 = high

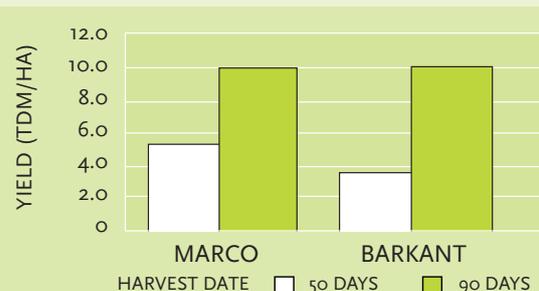
PERFORMANCE:

Marco is fast establishing, high yielding, can be utilised earlier, has good bulb storage ability and high ME content. Marco can be grazed as early as 50 days after sowing, but will sit well in the paddock for up to 90 days after sowing.

AVERAGE METABOLISABLE ENERGY CONTENT AT 50 DAYS FROM TWO CROPMARK TRIALS AT OHAUPO AND TE PUKE 2006/07



AVERAGE TOTAL DRY MATTER/HA GROWN FROM TWO CROPMARK TRIALS AT OHAUPO AND TE PUKE 2006/07



Cropmark
Marco
Tetraploid Turnip



The earliest maturing turnip

BENEFITS:

- ▶ The earliest maturing turnip available (only 55-65 days from sowing to grazing)
- ▶ Less time out of production
- ▶ Sowing date flexibility – can be used for late sowing, or where crop failure occurs
- ▶ Two Marco crops in one season are possible
- ▶ Large bulbs, with high bulb to leaf ratio
- ▶ Bulb retains its quality for as long as 90 days after sowing
- ▶ Good resistance to bolting and club root



Higher yielding multi-graze rape

DESCRIPTION

A new, fast establishing, high yielding, multi-graze giant-type forage rape with strong re-growth potential and good disease resistance.

SUITABILITY / USE:

Pillar is a new NZ bred forage rape, developed for our farming conditions. It can be used as a flexible 2-3 graze forage crop, sown in either spring or autumn to provide fast establishing summer or autumn/winter feed. Pillar is suitable for all livestock types and farming systems and is an ideal break crop as part of a re-grassing programme.

BENEFITS

- ▶ Leafy, giant-type multi-graze forage rape
- ▶ Very fast establishing
- ▶ Very high yield potential
- ▶ Very good re-growth potential
- ▶ Good disease resistance
- ▶ Can be sown in spring or autumn
- ▶ Suitable sheep, cattle and deer

AGRONOMIC TRAITS		
SOWING SEASON	MATURITY (days to grazing)	NUMBER OF GRAZINGS
SPRING OR AUTUMN	90-110	2-3*
SOWING RATE (kgs/ha)	APHID TOLERANCE	DISEASE RESISTANCE
3-4	MODERATE - GOOD	GOOD

* Subject to management and climate conditions

PERFORMANCE:

Pillar has shown consistently high yields, with strong re-growth and good disease resistance in trials.

POOLED YIELD RESULTS - 6 FORAGE RAPE TRIALS, CANTERBURY 2011-2013			
Cultivar	No. of trials	Yield t/ha DM	LSD
Pillar	6	8.96	a
Spitfire	6	8.78	ab
Goliath	5	8.49	abc
HT Rape	2	8.24	abc
Greenland	6	8.23	bc
Winfred	1	7.28	cd
Titan	4	7.05	e
Mean		8.15	
LSD		0.67-1.5	
Sig		***	

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