



Background

New York turnip is a medium-maturity winter turnip, bred as a York globe replacement. It is a white-fleshed, purple-skinned, oval-bulbed, diploid turnip. **New York** is distinguished by having a full leaf and a greater leaf-to-bulb ratio than York globe. The extra leaf holding is due to improved tolerance to turnip mosaic virus.

Bulb development in all late-summer sown turnips is heavily influenced by how early the crop is sown, and how much space each plant has to develop large bulbs. A large proportion of these types of turnips are sown as early-winter feed with annual or Italian ryegrass. In these mixes it is hard to get large bulb development due to competition, in these circumstances the extra leaf production of **New York** becomes valuable.

New York has been tested as a later-holding summer turnip where it has performed strongly. As a summer turnip option, **New York** should never make up more than 5 kg, or one third of a cow's diet.

Characteristics

Suggested Sowing Time	Suggested Sowing Rate alone (kg/ha)	Time to first grazing	Number of potential grazings	Potential yield
Jan-Feb	1-2	18-20 wks	1	Average = 6-8 t/ha
Late Oct– Early November	Range 1.5-3	18-20 wks	1	Average = 8-12 t/ha Top = 14+ t/ha



Key Features

- ✓ Medium-maturity at approximately 16 weeks
- ✓ Excellent yield potential with an improved leaf-to-bulb ratio
- ✓ Bred for improved turnip mosaic virus tolerance
- ✓ Full-leaved variety (not segmented)

Performance

Table 1. North Island Turnip Dry Matter Production Trial, Cambridge 2001, sown 23/10/01, Miroa ash soil.						
Cultivar	Leaf		Bulb		Total at 95 Days	
	kgDM/ha	Rel	kgDM/ha	Rel	kgDM/ha	Rel
New York	4692	114	2018	119	6710	116
Barkant	4389	107	1860	109	6249	108
Rival	4588	112	1514	89	6102	105
Barabas	2737	67	1410	83	4147	71
Mean	4102	100	1700	100	5802	100

Table 2. Plant Density at Harvest and the Yield Components and Total Yield (kgDM/ha), of Summer Turnips Sown in Taranaki on the 3rd November and Harvested on the 18th February, 107 Days After Sowing					
Cultivar	Plant Count per/m2	Leaf Yield kgDM/ha		Bulb Yield kgDM/ha	Total Yield kgDM/ha
Rival (3)	29	6960	a	5238	b
Barkant (3)	25	5775	a	5971	ab
New York (2)	22	4043	b	7736	a
LSD (5%)	12	1692		2047	3251