



Feed Barley Growers Guide

Sowing

Bumpa is a medium maturing feed barley that can be sown from July to October in Canterbury and the North Island.

It is similar in style to most other spring barleys and shows consistently high yields. Medium to high feed barley sowing rates are recommended (seed size is high and it has good tillering ability).

Nitrogen

Standard feed barley strategy is recommended. Barleys develop quickly, especially later sown crops, so all growth stage based management needs to be timely for high yields.

Disease Tolerance

Bumpa will need protection from BYDV and scald. It has good tolerance to net blotch, leaf rust and ramularia. Bumpa is well suited to a 2 fungicide programme.

T1 - GS 30 (very early stem elongation) - 200 mls Proline + 200 mls Acanto

T2 - GS 49 (awns emerging) - 300 mls Proline + 300 mls Acanto This needs to be an increased rate to support good genetic net blotch and ramularia tolerance and ensure then important grain-fill period is protected to achieve maximum yields.

Straw Strength

It is medium tall with good straw strength and could benefit from PGR's in all early spring sown crops and those with over 8t/ha yield potential.

Apply medium rate PGR at GS 30 (150-200 mls Moddus) or Terpal (1 L/ha) at GS 49.

Grading Results

Bumpa easily produces acceptable grading figures with a good test weight, high seed size and low screenings.

Very High Yield Potential

It has high relative yields in good conditions and performs at its best under high inputs but is also well suited to lower inputs in early spring sown dryland conditions.

Spring sown trials to date show Bumpa achieves top yields in Canterbury and the lower North Island. More research is being done to identify yield performance under autumn sowing in Canterbury and spring and autumn sowing in Southland.

Harvesting

Bumpa thrashes easily.

FAR Canterbury Spring Sown CPT2 4 Yr mean yield results

(5 sites, irrigated and dryland with fungicides, grading results are 2 yr mean)

	Rel. Yield	Test Tw	Seed Wt	Screenings
Bumpa	103	65	55	0.9
Doyen	103	65	54	1.4
County	102	63	51	1.5
Dash	100	63	46	2.2

FAR North Island Spring Sown CPT2 4 Yr mean yield results

(2 sites, dryland with fungicides, grading results are 2 yr mean)

	Rel. Yield	Test Tw	Seed Wt	Screenings
Bumpa	105	66	53	2.1
Doyen	98	65	52	3.2
County	102	66	53	2.0
Dash	100	65	45	4.9

Compiled by Ross Hanson - Plant & Food Research. Phone 0274 535 507

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