

Proven and consistent Malting Barley's from Carlsberg Research

Null-Lox Growers Survey Results Crop 2013



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Harvest 2013 saw **93%** of Null-Lox growers experience a better or similar crop performance with Null-lox in comparison to other spring malting barley varieties.

Null-Lox has proven crop establishment

How quickly did the crop establish in comparison to other spring barley crops?

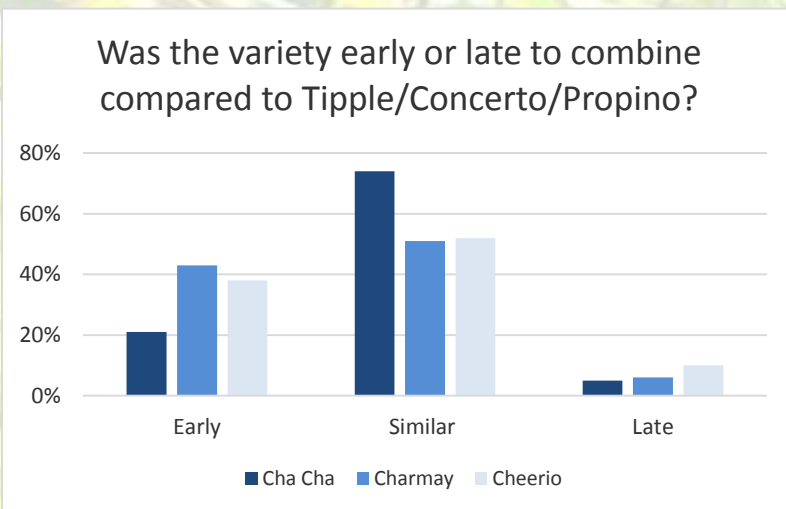
	Cha Cha	Charmay	Cheerio
Quick	27%	49%	38%
Average	60%	49%	55%
Slow	13%	2%	7%

How did the crop perform in comparison to other spring barley crops?

	Cha Cha	Charmay	Cheerio
Better	24%	22%	17%
Similar	74%	64%	78%
Worse	2%	14%	5%

Quick to establish

Early to combine



34% of growers said the Null-Lox varieties were **early** to combine compared to Tipple / Concerto / Propino.

59% said they were **similar**.

Only **7%** of growers said they were **later** to combine.

100% of growers experienced NO disease issues with the Null-lox varieties in comparison to Tipple/Concerto/Propino.

*Survey results generated after a 49% response to the Null-Lox growers Survey for Crop 2013



99% of growers said they WOULD grow Null-Lox again

From our survey growers achieved consistent average yields over all Null-Lox varieties

Variety	Average Tonnes/Hectare
Cha Cha	6.64
Charmay	6.42
Cheerio	7.00

DEFRA's final figures for 2013 Spring Barley (19.12.2013)

Region	Average Tonnes/Hectare
Yorkshire & Humber	5.8
East Midlands	5.5
Eastern	5.8
South East	5.8
South West	5.5

England's spring barley average was 5.6tns/ha

25% of growers said their Null-Lox yielded better than Tipple / Concerto / Propino – **60%** said theirs were similar.

Impressive yield results during a difficult growing season

More than half of the growers surveyed said their crop was subject to extreme heat or drought at some point throughout the growing season

Null-Lox Independent Trials 2013

*Independent trial results from the 2013 season
Yield chart in tonnes per hectare*

- Across the average of the three years Chapeau is the top yielding variety. Chapeau's quality is consistent with bold grains and good retention.
- Cheerio has also had another good year – both in trial and on farm – it has been very popular with growers and it will be the largest variety by area sown for Harvest 2014.
- Null-lox varieties have performed equally as well, if not slightly better, than Concerto and Propino over the average of the past three years.

Variety	NIAB TAG Bainton Yorkshire	NIAB TAG Morley Norfolk	Pearce Sturminster Newton Dorset	Scottish Agronomy Easter Ross Scotland
Cha Cha	N/A	N/A	6.55	6.73
Charmay	N/A	N/A	6.41	N/A
Charles	6.76	5.14	7.28	N/A
Chapeau	6.95	5.78	7.68	7.64
Cheerio	6.75	5.36	6.71	7.28
NFC Tipple	N/A	N/A	7.04	6.8
Propino	6.95	4.59	7.69	7.45
Concerto	6.74	5.09	8.03	6.7

Grower benefits

- Quick to establish, early to harvest
- One year contract, no long term tie in
- A contract to suit your individual needs

Contract Options

- Premium over wheat futures
- Pool
- Feed plus premiums
- Non defaultable contracts



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