

Testing, testing... say 'hay' to Hart's intern!

UPDATE 4

December 12, 2020



Brianna Guidera

Hart update from Brianna...

Hi everybody,


I keep saying I'll save writing these updates for a rainy day - well, recently there have been plenty of those so I guess there are no more excuses.

The Hart trial site looks very different since my last update.

Harvest began on October 28 with our field peas coming off first. Since then the SARDI Clare team have been busy harvesting here and around the region, with only one trial left to go at Hart.

As we all know, spring has been cool and wet which threw some spanners in the works – dodging the rain hasn't been easy. Mix in a short lockdown and it's safe to say harvest has had its share of challenges. Watching your whole years' worth of work disappear so quickly is a little sad, but having the data come through makes it exciting.

So far we have pre-released yield data for our barley, lentil, field pea, wheat and durum variety trials. You can find them on Hart's [Facebook](#) and [Twitter](#) pages.

RESULTS SNEAK PEEK... 

WHEAT VARIETY TRIAL 2020

VARIETY	YIELD (t/ha)
Chinook	3.30
Valley Road	3.27
Defiant	3.14
Excel	3.10
Albany	3.00
Chrysalis	2.88
Wheatland	2.87
Excel	2.83
Scout	2.58
Excel	2.57
Excel	2.48
Excel	2.47
Excel	2.46
Excel	2.45
Excel	2.44
Excel	2.43
Excel	2.42
Excel	2.41
Excel	2.40
Excel	2.39
Excel	2.38
Excel	2.37
Excel	2.36
Excel	2.35
Excel	2.34
Excel	2.33
Excel	2.32
Excel	2.31
Excel	2.30
Excel	2.29
Excel	2.28
Excel	2.27
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Excel	2.21
Excel	2.20
Excel	2.19
Excel	2.18
Excel	2.17
Excel	2.16
Excel	2.15
Excel	2.14
Excel	2.13
Excel	2.12
Excel	2.11
Excel	2.10
Excel	2.09
Excel	2.08
Excel	2.07
Excel	2.06
Excel	2.05
Excel	2.04
Excel	2.03
Excel	2.02
Excel	2.01
Excel	2.00
Excel	1.99
Excel	1.98
Excel	1.97
Excel	1.96
Excel	1.95
Excel	1.94
Excel	1.93
Excel	1.92
Excel	1.91
Excel	1.90
Excel	1.89
Excel	1.88
Excel	1.87
Excel	1.86
Excel	1.85
Excel	1.84
Excel	1.83
Excel	1.82
Excel	1.81
Excel	1.80
Excel	1.79
Excel	1.78
Excel	1.77
Excel	1.76
Excel	1.75
Excel	1.74
Excel	1.73
Excel	1.72
Excel	1.71
Excel	1.70
Excel	1.69
Excel	1.68
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Excel	0.07
Excel	0.06
Excel	0.05
Excel	0.04
Excel	0.03
Excel	0.02
Excel	0.01
Excel	0.00


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RESULTS SNEAK PEEK... 

BARLEY VARIETY TRIAL 2020

VARIETY	YIELD (t/ha)
Excel	3.55
Excel	3.50
Excel	3.40
Excel	3.30
Excel	3.20
Excel	3.10
Excel	3.00
Excel	2.90
Excel	2.80
Excel	2.70
Excel	2.60
Excel	2.50
Excel	2.40
Excel	2.30
Excel	2.20
Excel	2.10
Excel	2.00
Excel	1.90
Excel	1.80
Excel	1.70
Excel	1.60
Excel	1.50
Excel	1.40
Excel	1.30
Excel	1.20
Excel	1.10
Excel	1.00
Excel	0.90
Excel	0.80
Excel	0.70
Excel	0.60
Excel	0.50
Excel	0.40
Excel	0.30
Excel	0.20
Excel	0.10
Excel	0.00

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RESULTS SNEAK PEEK... 

DURUM VARIETY TRIAL 2020

VARIETY	YIELD (t/ha)
Excel	2.50
Excel	2.40
Excel	2.30
Excel	2.20
Excel	2.10
Excel	2.00
Excel	1.90
Excel	1.80
Excel	1.70
Excel	1.60
Excel	1.50
Excel	1.40
Excel	1.30
Excel	1.20
Excel	1.10
Excel	1.00
Excel	0.90
Excel	0.80
Excel	0.70
Excel	0.60
Excel	0.50
Excel	0.40
Excel	0.30
Excel	0.20
Excel	0.10
Excel	0.00

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RESULTS SNEAK PEEK... 

FIELD PEA VARIETY TRIAL 2020

VARIETY	YIELD (t/ha)
Excel	2.50
Excel	2.40
Excel	2.30
Excel	2.20
Excel	2.10
Excel	2.00
Excel	1.90
Excel	1.80
Excel	1.70
Excel	1.60
Excel	1.50
Excel	1.40
Excel	1.30
Excel	1.20
Excel	1.10
Excel	1.00
Excel	0.90
Excel	0.80
Excel	0.70
Excel	0.60
Excel	0.50
Excel	0.40
Excel	0.30
Excel	0.20
Excel	0.10
Excel	0.00

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RESULTS SNEAK PEEK... 

LENTIL VARIETY TRIAL 2020

VARIETY	YIELD (t/ha)
Excel	2.50
Excel	2.40
Excel	2.30
Excel	2.20
Excel	2.10
Excel	2.00
Excel	1.90
Excel	1.80
Excel	1.70
Excel	1.60
Excel	1.50
Excel	1.40
Excel	1.30
Excel	1.20
Excel	1.10
Excel	1.00
Excel	0.90
Excel	0.80
Excel	0.70
Excel	0.60
Excel	0.50
Excel	0.40
Excel	0.30
Excel	0.20
Excel	0.10
Excel	0.00

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Full reports are still to come; you'll find some of our variety reports are available as soon as they're done, with everything else available via our annual Trial Results Book, due for release in March 2021.

In the meantime, Bek and I will be working in the SARDI Clare laboratory processing samples of wheat, barley, oats and canola. We'll be assessing the samples for 1000 grain weight, test weight (kg/hL), screenings, protein % and oil content.

As for my focus trials:

- The Soil and Plant Testing paddocks have all been harvested.
- The National Hay Agronomy trial was harvested at Hart on November 14. We are currently waiting to analyse the data on both trials, so keep an eye out for my next release with further details.

In between harvest and report writing I've had the opportunity to experience some aspects of the industry outside of trials.

1. Last week local farmer and Hart board member Matt Dare showed me the ropes of harvest on a commercial scale. I spent some time with Matt while he harvested one of his paddocks of Scepter wheat.

I was lucky enough to be able to jump on the small plot harvester we use at Hart a few weeks ago so it was impressive to see the size of a commercial header and also compare how the two machines operate mechanically.

I enjoyed being able to chat with a grower as it's important to keep connected with the people who drive our trials at Hart and gain a better understanding of the link between farming and research.



2. Bek and I also had a great experience visiting the Balco hay processing facility near Balaklava. Pat Guerin was kind enough to give us a tour of the office where they perform hay quality analysis, then the processing and storage shed for the bales.

We had a great chat about the industry and some of the challenges it faces. Some things I found particularly impressive were the amount of samples processed, the storage capacity and the automation of the processing facility.



That concludes my mini-update.

More information on trial outcomes will be released in the coming months. As always you can find more information on our website: www.hartfieldsite.org.au.

Cheers,

Brianna
Hart Regional Intern 2020
brianna@hartfieldsite.org.au