



*The objective of this AIMI survey of New Zealand (NZ) cereal growers was to determine, as at April 1, 2019:*

- *The size of the 2019 NZ harvest of wheat, barley and oats*
- *The sales channels, storage status and unsold amount of the 2019 NZ harvest*
- *The tonnages of carry-over stocks on farms from the 2018 NZ harvest*
- *NZ sowings and sowing intentions of wheat, barley and oats for the autumn and winter of 2019*

## **Survey details**

Data from 148 NZ survey farms who completed both of the last two cereal surveys (October 2018 and April 2019) were scaled up to the national level using the most recent (Provisional 2018) NZ Agricultural Production Statistics. As with all surveys, there is a margin of error which needs to be considered in relation to this report. These figures reflect the position as at the 1<sup>st</sup> April 2019 and there will have been changes since this time.

**Key Points as at 1 April 2019** (figures have been rounded to nearest 100):

- Despite the poor weather in some regions, yields were up slightly overall (by 3% over all six crops) compared to last season, which was also regarded as a poor season by many growers. More hectares were harvested than last season (3% up), with a 7% increase in total tonnage compared to last season.
- The 2019 harvests of milling wheat, feed wheat and malting barley were completely finished by 1 April for all survey respondents, with feed barley harvest 96% complete. The harvests of milling oats and feed oats were 98% and 70% complete, respectively, by 1 April.
- Carry-over stocks (both sold and unsold) of feed wheat and feed barley were low. Unsold stocks on hand of last year's feed wheat and feed barley crops were 0.9% and 2.4% of the 2018 harvest tonnages respectively.
- Stocks of unsold feed wheat from the current harvest are similar to unsold stocks at this time last year (up 2%). Unsold stocks of feed barley are up 36% as compared to this time last year, while unsold stocks of milling wheat are down 14%.
- Autumn/winter sowings of feed wheat are predicted to be down by 3,800 hectares on predicted sowings a year ago, with feed barley down by 4,100 ha, milling wheat up by 1,000 ha, malting barley down 100 ha, milling oats down 1300 ha, and feed oats up 600 ha. However these predictions are based mostly on intentions as only 10% of crops had been sown by 1 April 2019.

**Milling wheat:** Estimated total tonnage (80,900 t) was up 13% compared to last year's harvest (71,700 t). Of this total, 66% has been sold (53,200 t), although most of the sold grain is still stored on farm (90%). The amount of unsold grain is 27,700 tonnes (34%). There was no carryover of unsold grain from the 2018 harvest, so the estimate of unsold grain in the market is 27,700 tonnes which is lower than 2018 (32,600 t) and 2017 and 2016 (both 33,500 t), higher than 2015 (14,300 t), similar to 2014 (28,800 t), and lower than 2013 (61,200 t).

**Feed wheat:** Estimated total tonnage (320,600 t) was up 7% compared to last year's harvest (298,700 t). Of this total, 70% has been sold (225,200 t), with 73% of the sold grain still stored on farm. The amount of unsold grain is 95,400 tonnes (30%). Unsold stock carried over from last season was 2,800 tonnes, taking the estimate of total unsold grain in the market to 98,200 tonnes which was similar to the last two seasons (96,000 t in 2018 and 91,900 t in 2017), lower than 2016 (174,000 t), higher than 2015 (49,600 t) and 2014 (68,100 t), and lower than 2013 (138,700 t).

**Feed barley:** Estimated total tonnage (314,900 t) was up 3% compared to last year (306,300 t). Of this total tonnage, 57% has been sold (180,000 t), with 58% of the sold grain still stored on farm. About 43% (134,900 t) remains unsold. Carryover of unsold grain was 7,300 tonnes, taking the estimate of total unsold grain in the market to approximately 142,100 tonnes, which is higher than the last two seasons (100,200 t in 2018 and 111,600 t in 2017), lower than in 2016 (174,000 t), higher than 2015 (75,400 t) and 2014 (56,300 t), and lower than 2013 (188,800 t).

**For other cereals:** Compared to last year, estimated total tonnages for malting barley (74,900 t) was up by 5%, milling oats (24,400 t) was up by 34%, and feed oats (9,000 t) was up by 35%. For malting barley, 9% of the total harvest was unsold, while milling oats had 6% unsold and feed oats had 16% unsold as at 1 April, 2019. There were no unsold stocks carried over from last season for malting barley and feed oats and almost no unsold carryover stocks for milling oats (40 t).

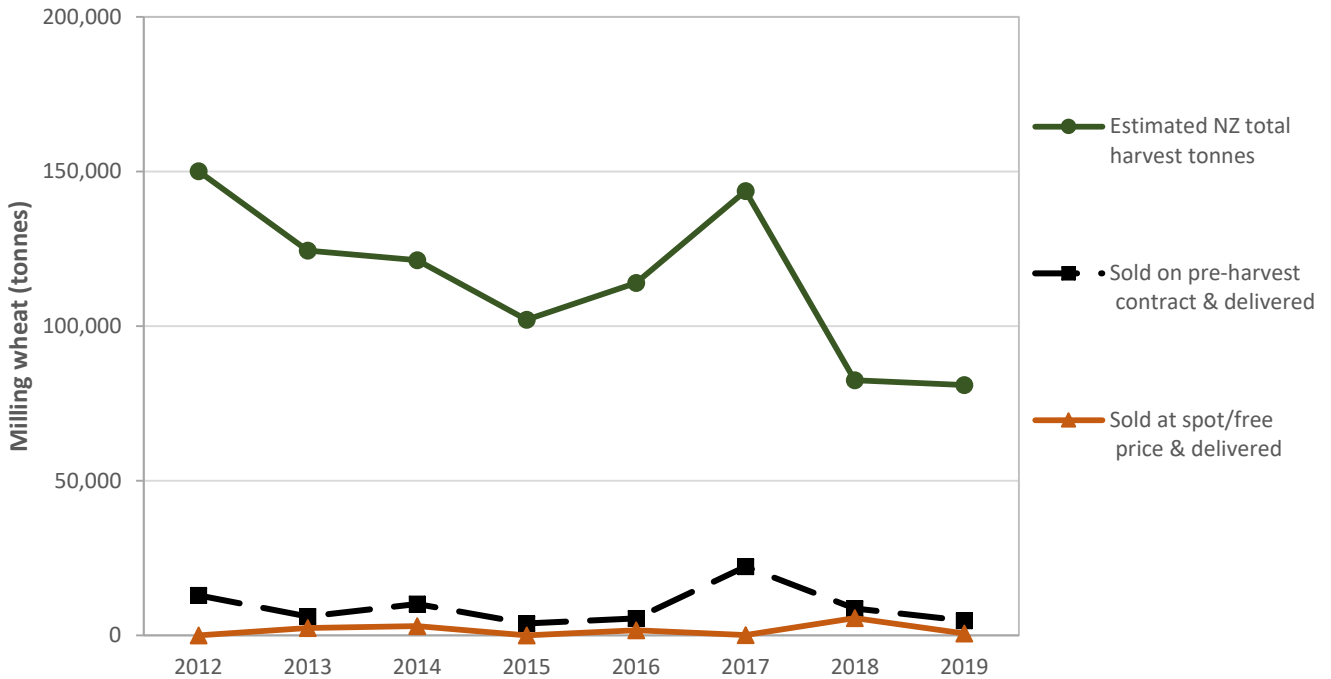
**Sowing intentions:** Only a few autumn/winter cereal crops had been sown by 1 April 2019. For feed wheat, 13% had been sown, while for feed barley, 8% had been sown. For both milling wheat and milling oats, about 2% had been sown. No malting barley or feed oats had been sown.

For autumn/winter wheat and barley overall, the total area sown or intending to be sown as at 1 April 2019, was down 10% (or, down by 6,900 hectares) on sowings plus intentions as at 1 April 2018.

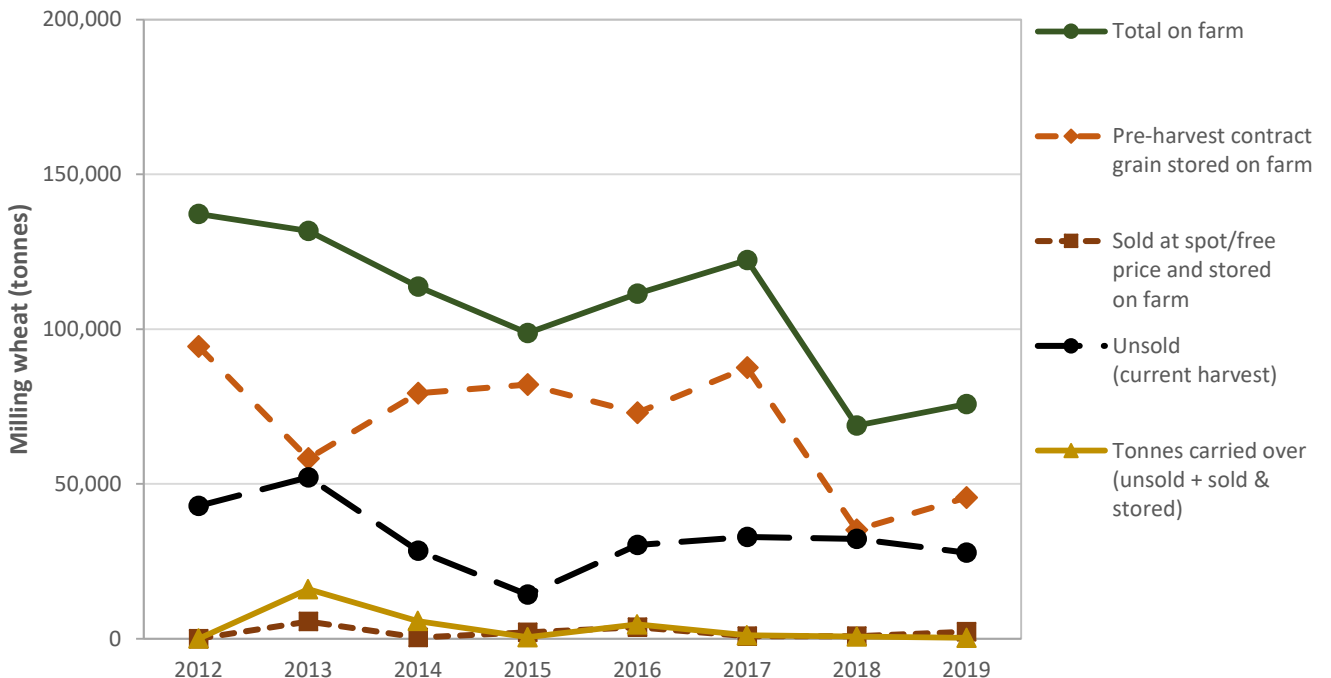
In more detail, feed wheat area sown or intending to be sown in the autumn/winter was down 10% (down 3,800 hectares) as compared to last year. Autumn/winter feed barley was down 19% (down 4,100 hectares), and milling wheat was up 18% (up 1,000 hectares). Autumn/winter malting barley was predicted to be very similar to last year (down 2%).

Milling oats area sown or intending to be sown in the autumn/winter was down 83% (down 1,300 hectares), while feed oats was up 82% (up 600 hectares).

**Milling Wheat (Tonnes)**

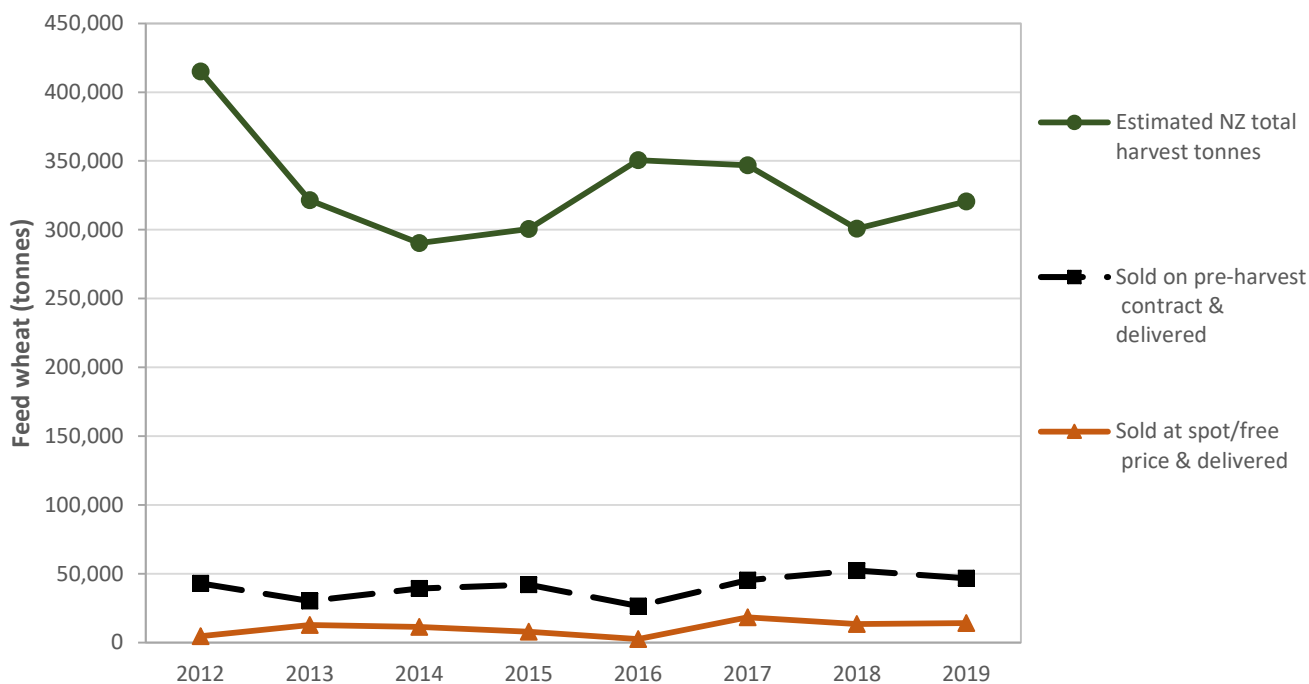


**Figure 1a. NZ harvest tonnage and Sales channels for Milling Wheat (tonnes) as estimated on 1 April each year.** (Note: “Total harvest tonnes” includes harvested and unharvested grain for that season’s harvest. “Sold at spot/free price & delivered” includes grain sold for feed. Historical data are sourced from previous AIMI April Reports.)

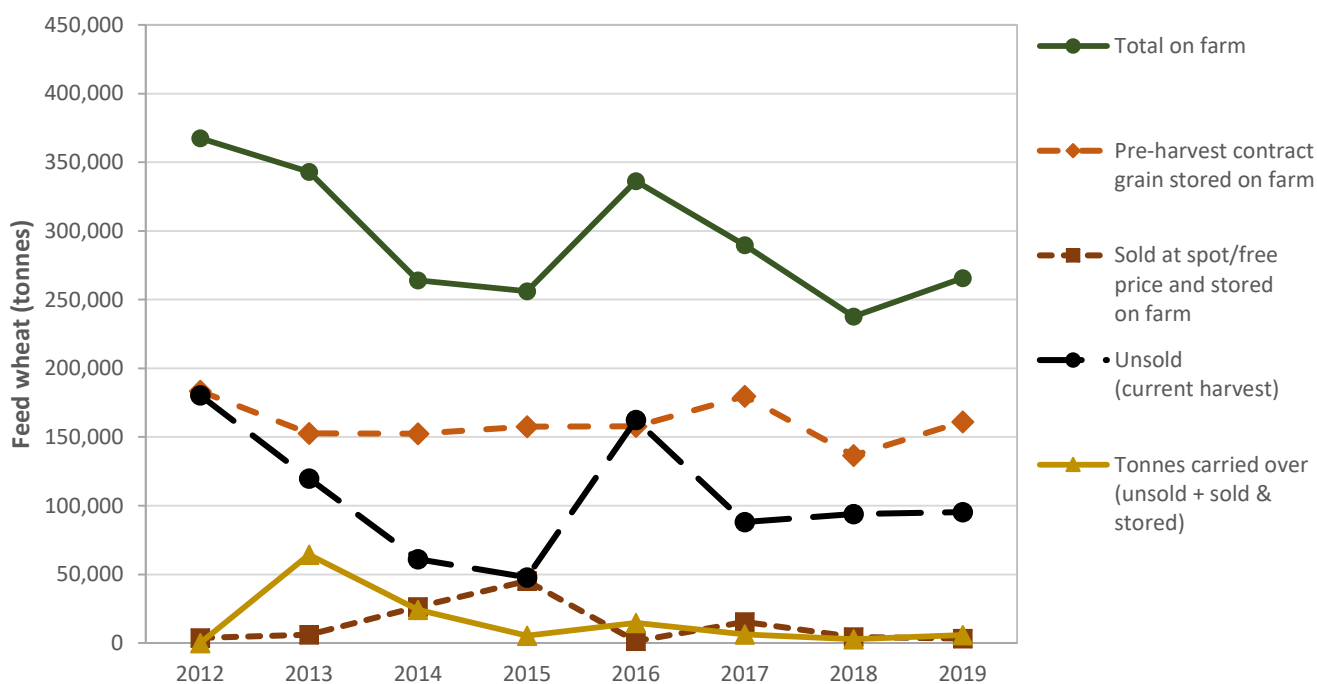


**Figure 1b. NZ stock on farms for Milling Wheat (tonnes) as estimated on 1 April each year.** (Note: Unharvested grain is included. Historical data are sourced from previous AIMI April Reports. For the 2012 and 2013 harvests, the sales status of the unharvested grain was unknown, so it was assumed unsold. After this time the sales status of the unharvested grain was determined and has been apportioned between “Pre-harvest contract grain stored on farm” and “Unsold”. “Tonnes carried over” is the sum of sold and unsold stock carried over (still on farm) from the previous season.)

**Feed Wheat (Tonnes)**

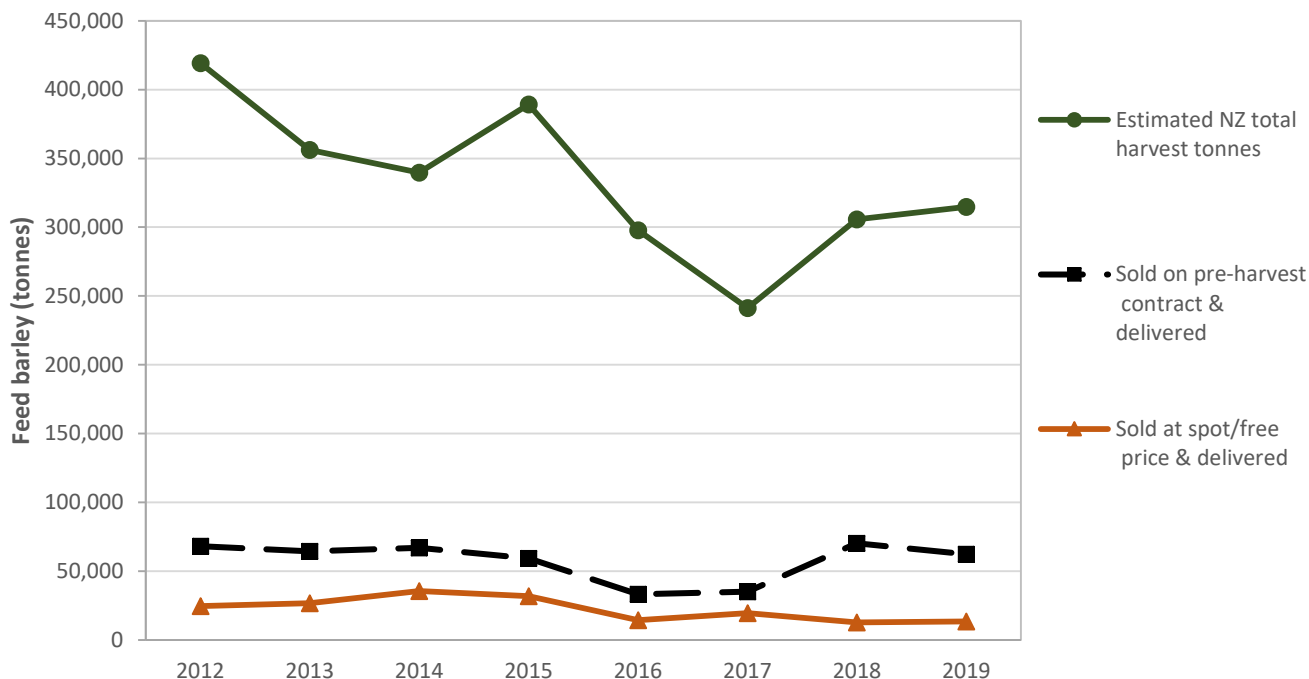


**Figure 2a. NZ harvest tonnage and Sales channels for Feed Wheat (tonnes) as estimated on 1 April each year.** (Note: “Total harvest tonnes” includes harvested and unharvested grain for that season’s harvest. “Sold at spot/free price & delivered” includes stock used on own farm. Historical data are sourced from previous AIMI April Reports.)

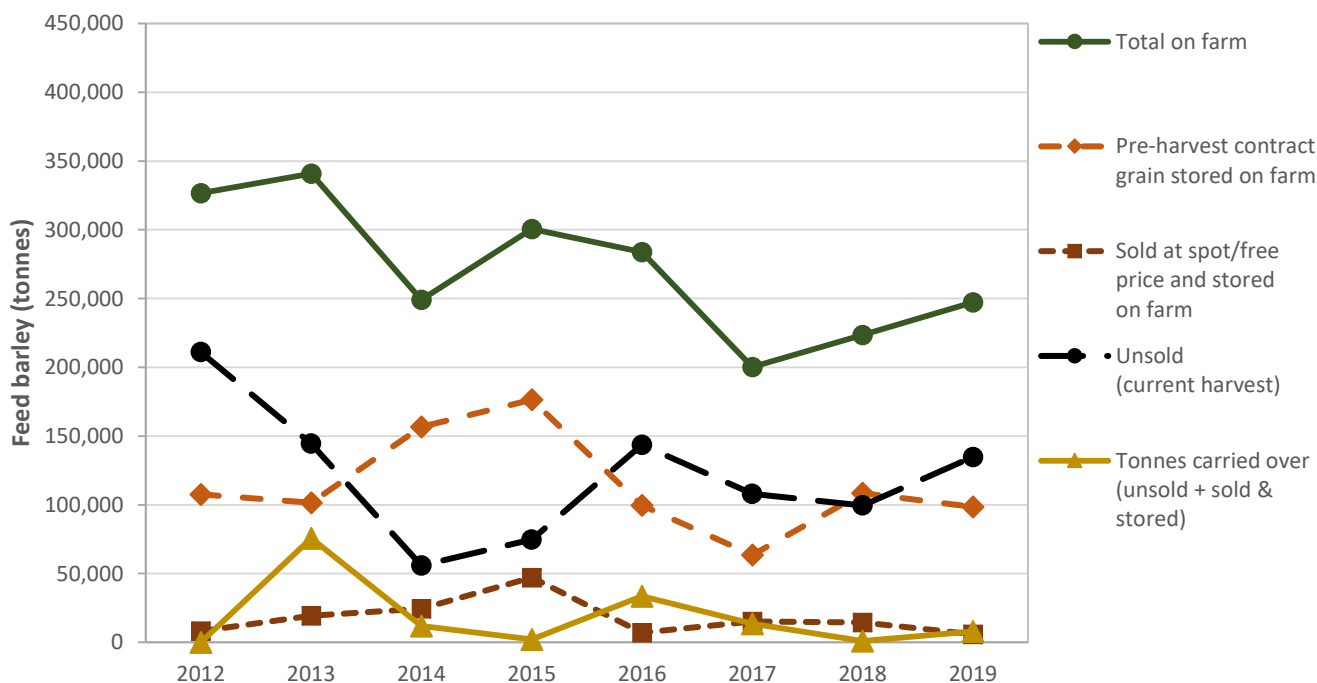


**Figure 2b. NZ stock on farms for Feed Wheat (tonnes) as estimated on 1 April each year.** (Note: Unharvested grain is included. Historical data are sourced from previous AIMI April Reports. For the 2012 and 2013 harvests, the sales status of the unharvested grain was unknown, so it was assumed unsold. After this time the sales status of the unharvested grain was determined and has been apportioned between “Pre-harvest contract grain stored on farm” and “Unsold”. “Tonnes carried over” is the sum of sold and unsold stock carried over (still on farm) from the previous season.)

### Feed Barley (Tonnes)

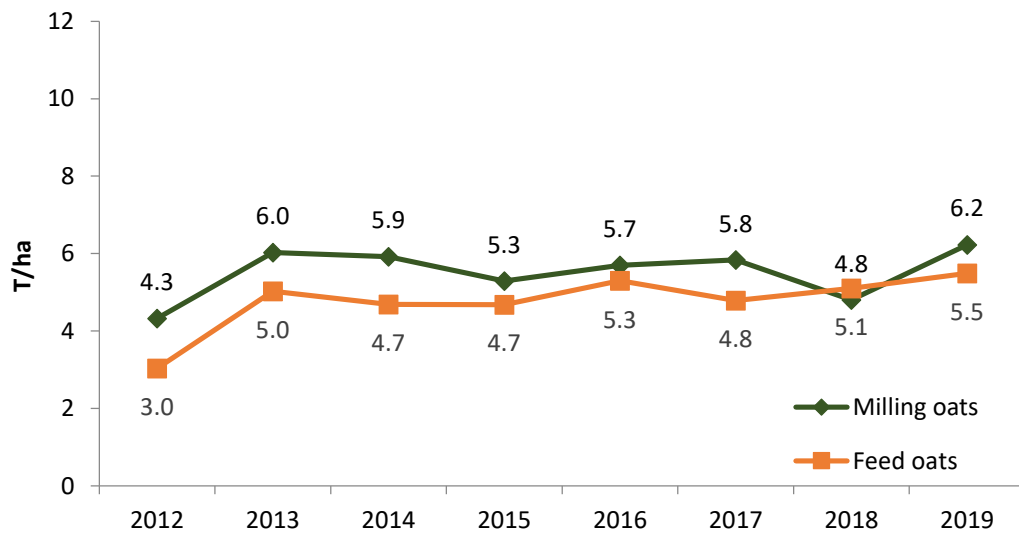
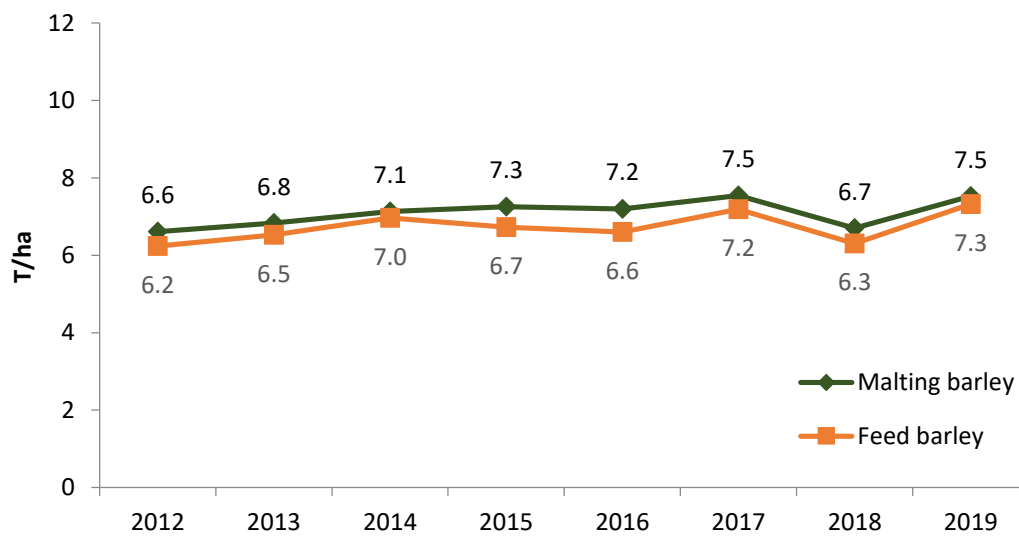
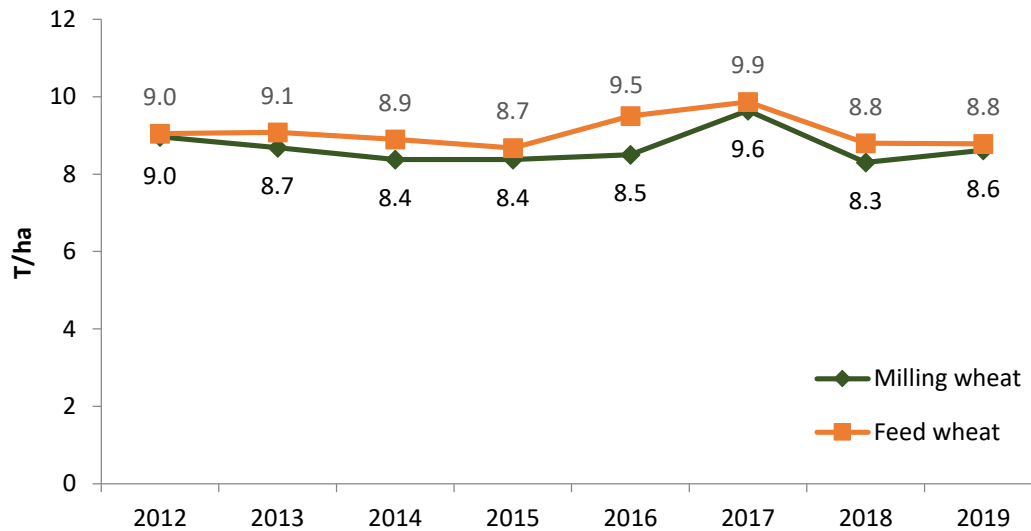


**Figure 3a. NZ harvest tonnage and Sales channels for Feed Barley (tonnes) as estimated on 1 April each year.** (Note: “Total harvest tonnes” includes harvested and unharvested grain for that season’s harvest. “Sold at spot/free price & delivered” includes stock used on own farm. Historical data are sourced from previous AIMI April Reports.)



**Figure 3b. NZ stock on farms for Feed Barley (tonnes) as estimated on 1 April each year.** (Note: Unharvested grain is included. Historical data are sourced from previous AIMI April Reports. For the 2012 and 2013 harvests, the sales status of the unharvested grain was unknown, so it was assumed unsold. After this time the sales status of the unharvested grain was determined and has been apportioned between “Pre-harvest contract grain stored on farm” and “Unsold”. “Tonnes carried over” is the sum of sold and unsold stock carried over (still on farm) from the previous season.)

### Comparison of yield (tonnes per ha) between harvests



**Figure 4. Comparison of yields (T/Ha) between the 2012 to 2019 harvests for the six cereal crops. Data are from the current survey and from previous April 1 AIMI reports for 2012 to 2018. Note: Milling wheat includes biscuit and gristing varieties.**

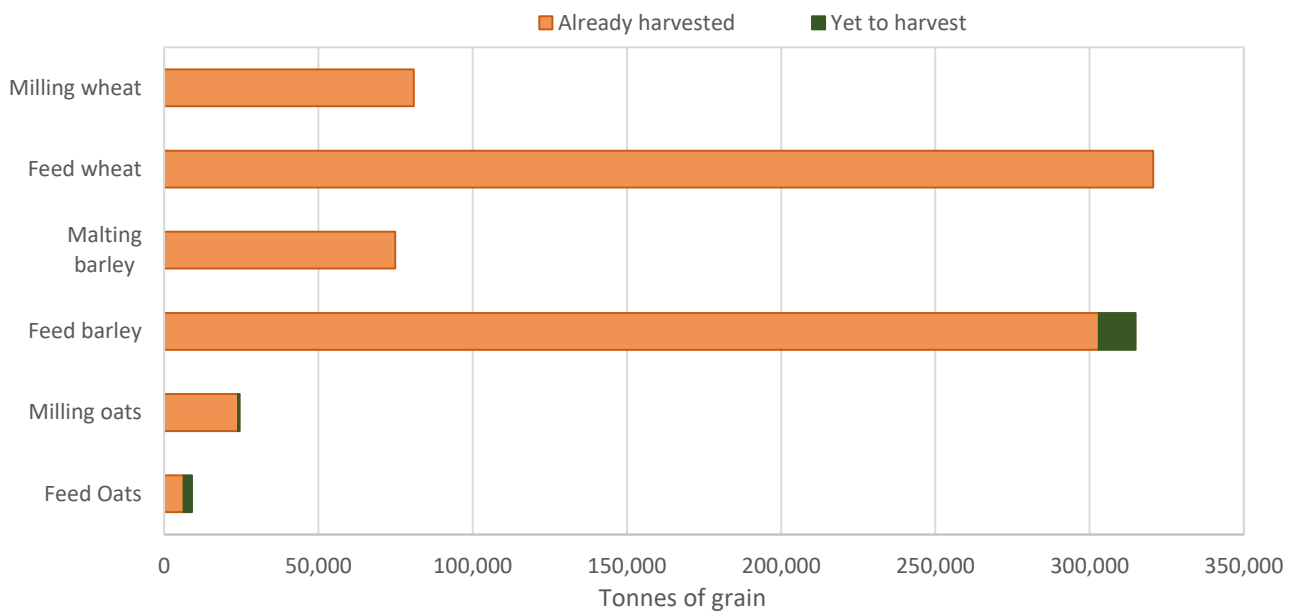


Figure 5. Estimated NZ tonnes harvested before 1 April 2019, and yet to harvest as at 1 April 2019.

Autumn/winter sowings and sowing intentions as at 1 April each year.

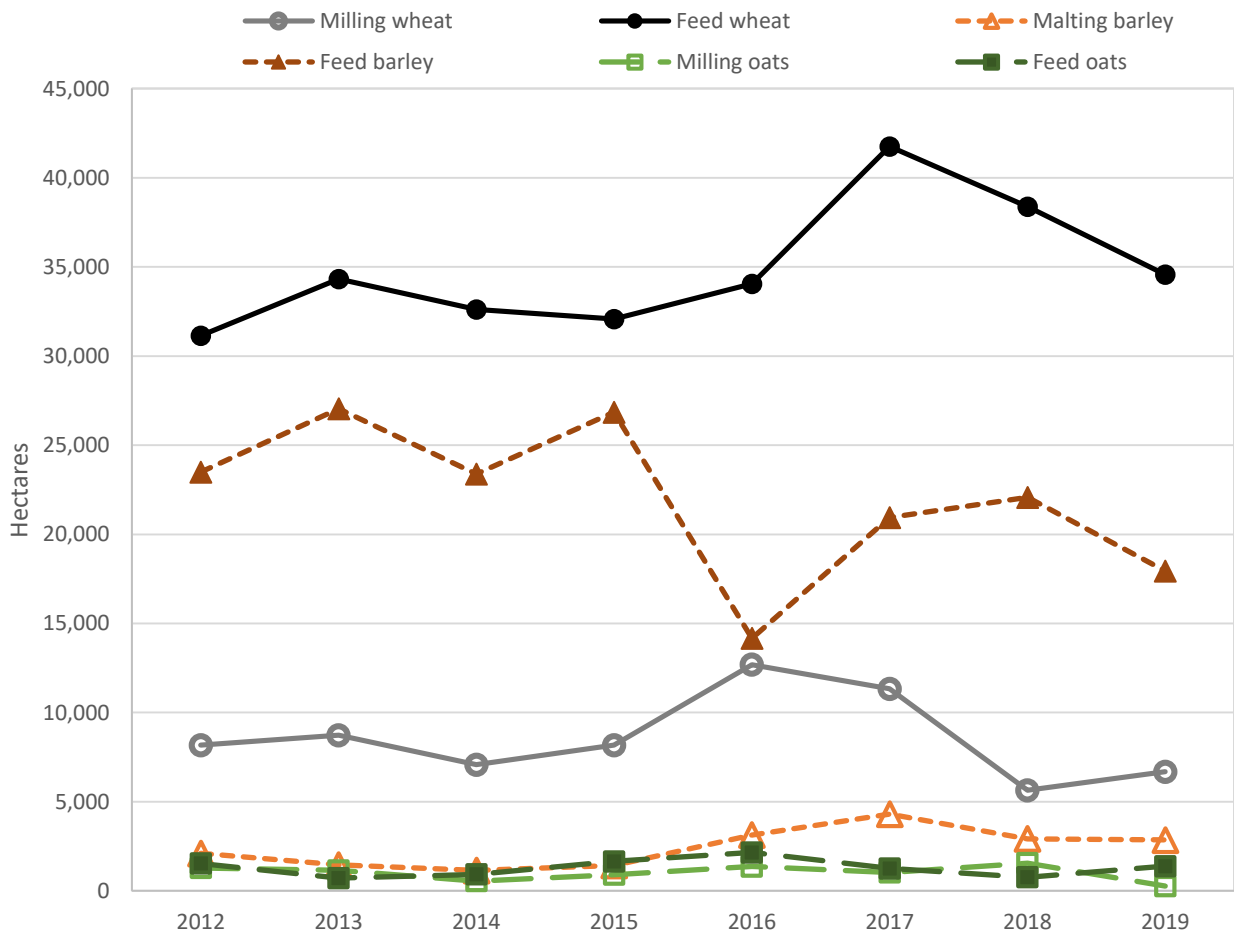
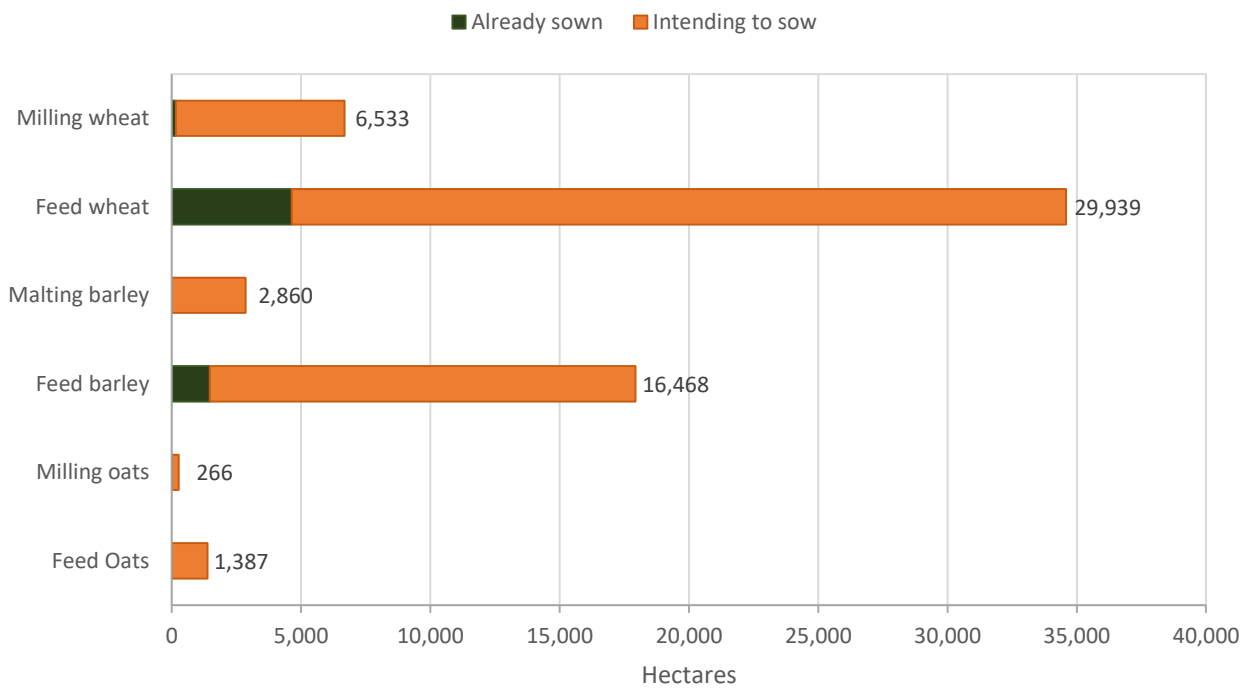


Figure 6. Estimated NZ total hectares sown or intended to be sown in autumn/winter 2019 (spring hectares not included), along with the corresponding estimates from the seven previous 1 April AIMI survey reports. Note that in all years, hectares are mostly intentions (for actual sowings in 2019 by 1 April, see Fig 7). This information is also presented in Table 3 below.



**Figure 7. Estimated 2019 NZ Autumn/winter sowings and sowing intentions (hectares) as at 1 April 2019.**  
 Note: Numbers at the end of the bars represent sowing intentions, spring intentions are not included. These are estimated totals derived from the survey, and have an associated margin of error.



**Table 1. Detailed estimated national figures for the 2019 harvest, plus sold and delivered tonnages, for six cereal crops as at April 1, 2019.**

	Units	Milling wheat	Feed wheat	Malting barley	Feed barley	Milling oats	Feed oats
<b>Number of farmers in the survey who harvested or will harvest this crop in 2019</b>		<b>42</b>	<b>103</b>	<b>35</b>	<b>115</b>	<b>11</b>	<b>15</b>
<b>2018 harvest</b>							
Estimated NZ total hectares, 2018 harvest	Ha	8,917	32,983	10,155	44,445	3,362	1,138
Estimated NZ total tonnes, 2018 harvest	Tonnes	71,725	298,675	71,500	306,300	18,277	6,623
<b>2019 harvest</b>							
Estimated NZ total hectares, 2019 harvest	Ha	9,393	36,517	9,942	42,994	3,922	1,634
Estimated NZ total tonnes, 2019 harvest	Tonnes	80,930	320,587	74,861	314,886	24,413	8,964
Estimated NZ total hectares already harvested by 1 April 2019	Ha	9,393	36,517	9,942	41,352	3,805	1,065
Estimated NZ total tonnes already harvested by 1 April 2019	Tonnes	80,930	320,587	74,861	302,991	23,906	6,319
Estimated NZ total hectares yet to harvest as at 1 April 2019	Ha	0	0	0	1,642	117	569
Estimated NZ total tonnes yet to harvest as at 1 April 2019	Tonnes	0	0	0	11,896	507	2,646
Percentage of estimated 2019 crop tonnage which had been harvested by 1 April 2019	%	100%	100%	100%	96%	98%	70%
<b>2019 harvest so far</b>							
Sold under pre-harvest contract and delivered by 1 April 2019	Tonnes	4,817	46,642	28,196	62,274	1,554	1,630
Pre-harvest contract grain stored on farm on 1 April 2019	Tonnes	45,530	161,122	39,306	89,088	20,892	3,429
Sold at spot/free price and delivered by 1 April 2019	Tonnes	531	11,355	0	11,510	0	0
Sold at spot/free price and stored on farm on 1 April 2019	Tonnes	2,223	3,424	0	5,942	0	0
(For milling or malting only) Sold for feed by 1 April 2019	Tonnes	88	-	914	-	0	-
(For feed only) Used on own farm by 1 April 2019	Tonnes	-	2,654	-	1,798	-	26
Unsold stocks on hand (2019 harvest only) on 1 April 2019	Tonnes	27,741	95,389	6,444	132,378	1,460	1,232
<b>2019 yet to harvest</b>							
Unharvested grain sold under pre-harvest contract by 1 April 2019	Tonnes	0	0	0	9,385	507	2,425
Unharvested grain unsold on 1 April 2019	Tonnes	0	0	0	2,510	0	220
<b>Sales channels (2019 harvest): includes unharvested grain</b>							
Sold under pre-harvest contract (total) by 1 April 2019 (includes sold, unharvested grain)	Tonnes	50,348	207,764	67,502	160,747	22,953	7,485
Sold at spot/free price (total) by 1 April 2019 (includes sold for feed and used on farm)	Tonnes	2,842	17,434	914	19,250	0	26
<b>Delivery status of sold grain (2019 harvest): includes unharvested grain</b>							
Sold and delivered (total) by 1 April 2019 (includes sold for feed and used on farm)	Tonnes	5,437	60,652	29,110	75,582	1,554	1,657
Sold and stored on farm (total) on 1 April 2019 (includes sold, unharvested grain)	Tonnes	47,753	164,546	39,306	104,416	21,399	5,855
<b>Total sales (2019 harvest): includes unharvested grain</b>							
Sold (of total crop) by 1 April 2019 (includes sold for feed, used on farm, and sold, unharvested grain)	Tonnes	53,190	225,198	68,417	179,998	22,953	7,511
Unsold (of total crop) on 1 April 2019 (includes unsold, unharvested grain)	Tonnes	27,741	95,389	6,444	134,889	1,460	1,453

Table 1 (continued).

	Units	Milling wheat	Feed wheat	Malting barley	Feed barley	Milling oats	Feed oats
<b>Comparison of hectares and tonnes between last two harvests</b>							
Estimated % change in hectares, 2018 to 2019 harvest (%)	%	5.3	10.7	-2.1	-3.3	16.6	43.6
Estimated % change in tonnes, 2018 to 2019 harvest (%)	%	12.8	7.3	4.7	2.8	33.6	35.4
Estimated change in tonnes, 2018 to 2019 harvest (tonnes)	Tonnes	9,206	21,911	3,361	8,586	6,136	2,341
<b>Comparison of yields (t/ha) between last two harvests</b>							
NZ-wide estimated yield, 2018 harvest	T/ha	8.0	9.1	7.0	6.9	5.4	5.8
NZ-wide estimated yield, 2019 harvest	T/ha	8.6	8.8	7.5	7.3	6.2	5.5
<b>Comparison of on-farm storage (including unharvested grain) between last April and this April</b>							
Sold but not delivered (total) on 1 April 2018 (from 2018 harvest) (April 2018 Report)	Tonnes	35,910	141,051	21,771	123,112	12,948	1,641
Sold but not delivered (total) on 1 April 2019 (from 2019 harvest) (from above)	Tonnes	47,753	164,546	39,306	104,416	21,399	5,855
Unsold (from 2018 harvest) on 1 April 2018 (April 2018 AIMI Report)	Tonnes	32,199	93,914	3,029	99,548	438	449
Unsold (from 2019 harvest) on 1 April 2019 (as above)	Tonnes	27,741	95,389	6,444	134,889	1,460	1,453
Change in sold but not delivered (including unharvested grain) as at 1 April (for most recent harvest) between 2018 and 2019	Tonnes	11,843	23,495	17,536	-18,696	8,451	4,213
Change in unsold as at 1 April (from most recent harvest) between 2018 and 2019	Tonnes	-4,459	1,474	3,415	35,340	1,021	1,004
Change in total grain on farm (both sold and unsold, and including unharvested grain) as at 1 April (for most recent harvest) between 2018 and 2019	Tonnes	7,385	24,969	20,950	16,645	9,473	5,217

**Note:** The comparisons in the last seven rows do not include carryover stock from the previous season (as given in Table 2).

In Table 1 (on the previous page), the estimated 2019 harvest tonnes of milling wheat was 13% *higher* than for the 2018 harvest (up 9,200 tonnes). For feed wheat, the estimated 2019 harvest tonnes was 7% *higher* than for 2018 (up 21,900 tonnes), and for feed barley, the estimated 2019 harvest tonnes was 3% *up* on 2018 (up 8,600 tonnes). Estimated 2019 harvest tonnes of malting barley was *up* by 5% (up 3,400 tonnes). Harvest tonnes of milling oats and feed oats were *up* by 34% and 35% respectively (up 6,100 and 2,300 tonnes respectively).

The last few rows of Table 1 (on this page) show the changes in on-farm storage between 1 April 2018 (of 2018 harvest grain) and 1 April 2019 (of 2019 harvest grain). Unharvested grain has been included in the estimates to take account of the differing percentages of grain harvested by 1 April between the two years. For milling wheat, feed wheat, malting barley, milling oats and feed oats there were increases in the tonnage of grain sold but not delivered by 1 April between the two seasons (increases of 11,800, 23,500, 17,500, 8,500 and 4,200 tonnes respectively). Feed barley was the only crop that showed a decrease in the tonnage of grain sold but not delivered by 1 April between the two seasons (a decrease of 18,700 tonnes).

In terms of unsold tonnage, there were increases in unsold tonnages as at 1 April between the two seasons for all crops except milling wheat, for which the unsold tonnage decreased by 4,500 tonnes. The largest increase in unsold tonnage was for feed barley, with an increase in unsold tonnage of 35,300 tonnes between 1 April 2018 and 1 April 2019.

The nett effect is that there were *increases* in the tonnages of grain from the most recent harvest stored on farms between 1 April 2018 and 1 April 2019 for milling wheat, feed wheat, malting barley, feed barley, milling oats and feed oats (estimated increases of 7,400, 25,000, 21,000, 16,600, 9,500 and 5,200 tonnes respectively). These figures do not include any change in the amount of grain carried over from the previous harvest (given for 1 April 2019 in Table 2); this change in tonnage of carry-over grain needs to be added to give the total picture.

Table 2 below shows that for all six crops, *unsold* carry-over stocks on hand on 1 April 2019 from the previous (2018) harvest were at a low level (all crops had less than 0.9% of the 2018 crop unsold, with the exception of feed barley which had 2.4% unsold). In terms of *sold* carry-over grain stored on farm from the 2018 harvest, the only crops with over 1,000 tonnes sold and stored were feed wheat, with 3,000 tonnes sold and stored, and milling oats, with 4,100 tonnes stored and sold.

In the last four rows, Table 2 also tracks the movement of unsold grain from the 2018 harvest between 10 October 2018 and 1 April 2019. For milling wheat, malting barley and feed oats, all of the grain (100%) that was unsold as at 10 October 2018, was sold between these two dates. For feed wheat, feed barley and milling oats, the corresponding percentages were 82%, 77% and 70% respectively.

When the tonnage of unsold carry-over grain is added to the unsold tonnage from the current harvest, the estimated tonnage of unsold grain as at 1 April, 2019 is 98,200 tonnes for feed wheat and 142,100 tonnes for feed barley; when summed over these two major feed crops, the total amount of unsold grain is estimated to be 240,300 tonnes, which is higher than the amount on 1 April 2018, of 196,200 tonnes.

**Table 2. Carry-over stock (tonnes) on hand from the 2018 harvest, as at April 1, 2019.**

	<b>Milling wheat</b>	<b>Feed wheat</b>	<b>Malting barley</b>	<b>Feed barley</b>	<b>Milling oats</b>	<b>Feed oats</b>
<b>Number of survey farmers who harvested this crop in 2018</b>	<b>45</b>	<b>96</b>	<b>31</b>	<b>114</b>	<b>12</b>	<b>17</b>
<b>Number of survey farmers with carry-over grain from 2018 crop on 1 April 2019</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>1</b>
Estimated NZ total sold and stored on farm (2018 crop) on 1 April 2019	288	2,986	0	712	4,118	265
Estimated NZ total unsold stocks on hand (2018 crop) on 1 April 2019	0	2,796	0	7,255	44	0
<b>Estimated NZ Total 2018 harvest still on farms on 1 April 2019 (tonnes)</b>	<b>288</b>	<b>5,782</b>	<b>0</b>	<b>7,967</b>	<b>4,162</b>	<b>265</b>
Estimated NZ unsold stocks on hand of 2018 harvest on 1 April 2019 as a percentage of tonnes harvested in 2018 (%)	0.0%	0.9%	0.0%	2.4%	0.2%	0.0%
<b>Comparative figures from last year (1 April 2018 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (2017 crop) on 1 April 2018	319	745	139	278	4,463	705
Estimated NZ total unsold stocks on hand (2017 crop) on 1 April 2018	399	2,066	0	676	371	873
<b>Comparative figures from year before that (1 April 2017 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (2016 crop) on 1 April 2017	354	2,538	0	9,851	463	819
Estimated NZ total unsold stocks on hand (2016 crop) on 1 April 2017	708	3,790	0	3,604	98	1,097
<b>Comparative figures from two years before that (1 April 2016 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (2015 crop) on 1 April 2016	1,356	3,227	930	3,084	2,040	0
Estimated NZ total unsold stocks on hand (2015 crop) on 1 April 2016	3,220	11,578	2,496	30,457	0	35
<b>Comparative figures from three years before that (1 April 2015 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (2014 crop) on 1 April 2015	399	3,747	227	1,532	0	0
Estimated NZ total unsold stocks on hand (2014 crop) on 1 April 2015	68	1,685	0	660	197	395
<b>Comparative figures from four years before (1 April 2014 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (2013 crop) on 1 April 2014	5,245	17,293	0	11,656	298	0
Estimated NZ total unsold stocks on hand (2013 crop) on 1 April 2014	415	6,927	0	375	223	722
<b>Comparative figures from five years before (1 April 2013 AIMI survey)</b>						
Estimated NZ total sold and stored on farm (bumper 2012 crop) on 1 April 2013	6,838	45,514	2,236	31,266	852	0
Estimated NZ total unsold stocks on hand (bumper 2012 crop) on 1 April 2013	9,117	18,909	0	44,372	852	501
<b>Change in unsold 2018 harvest grain between 10 Oct 2018 and 1 April 2019 (based upon matched data)</b>						
Estimated NZ total unsold stocks on hand (2018 crop) on 10 October 2018	4,733	15,492	974	31,480	146	243
Estimated NZ total unsold stocks on hand (2018 crop) on 1 April 2019 (as above)	0	2,796	0	7,255	44	0
<b>Reduction in estimated NZ total unsold stocks on hand (2018 crop) between 10 October 2018 and 1 April 2019 (tonnes)</b>	<b>4,733</b>	<b>12,696</b>	<b>974</b>	<b>24,225</b>	<b>101</b>	<b>243</b>
<b>As a percentage, reduction in estimated NZ total unsold stocks on hand (2018 crop) between 10 October 2018 and 1 April 2019 (%)</b>	<b>100%</b>	<b>82%</b>	<b>100%</b>	<b>77%</b>	<b>70%</b>	<b>100%</b>

**Note:** The matched comparison in the last section was based upon scaling up data from the exact same survey farms for the last two AIMI surveys (Oct 2018 and April 2019).

**Table 3. Autumn/winter sowings and sowing intentions (hectares) as at April 1, 2019 and comparisons with previous years' estimates.**

	<b>Milling wheat</b>	<b>Feed wheat</b>	<b>Malting barley</b>	<b>Feed barley</b>	<b>Milling oats</b>	<b>Feed oats</b>
<b>Number of farmers in the survey who have sown or intend to sow this crop in the autumn or winter, as at 1 April 2019</b>	<b>29</b>	<b>96</b>	<b>9</b>	<b>61</b>	<b>5</b>	<b>10</b>
<b>Estimated NZ total hectares, 2018 harvest (autumn/winter plus spring sown crops, combined)</b>	8,917	32,983	10,155	44,445	3,362	1,138
<b>Estimated NZ total hectares, 2019 harvest (autumn/winter plus spring sown crops, combined)</b>	9,393	36,517	9,942	42,994	3,922	1,634
<b>Estimated NZ total hectares already sown, as at 1 April 2019</b>	150	4,639	0	1,471	5	0
<b>Estimated NZ total hectares intending to sow in autumn or winter, as at 1 April 2019</b>	6,533	29,939	2,860	16,468	266	1,387
<b>Estimated percentage of autumn/ winter 2019 sowings already sown by 1 April 2019</b>	2.2%	13.4%	0.0%	8.2%	1.7%	0.0%
<b>Estimated NZ total autumn/ winter 2019 sowings and/or sowing intentions as at April 1 2019 (hectares, for harvest in 2020)</b>	6,684	34,579	2,860	17,939	270	1,387
<b>Comparative figures from the same time in eight previous years (1 April AIMI surveys)</b>						
<b>Estimated NZ total autumn/ winter 2018 sowings &amp; intentions (from the April 2018 AIMI Survey Report)</b>	5,640	38,371	2,923	22,076	1,553	761
<b>Estimated NZ total autumn/ winter 2017 sowings &amp; intentions (from the April 2017 AIMI Survey Report)</b>	11,330	41,751	4,306	20,949	1,036	1,262
<b>Estimated NZ total autumn/ winter 2016 sowings &amp; intentions (from the April 2016 AIMI Survey Report)</b>	12,688	34,048	3,133	14,167	1,369	2,159
<b>Estimated NZ total autumn/ winter 2015 sowings &amp; intentions (from the April 2015 AIMI Survey Report)</b>	8,171	32,070	1,434	26,849	909	1,658
<b>Estimated NZ total autumn/ winter 2014 sowings &amp; intentions (from the April 2014 AIMI Survey Report)</b>	7,078	32,607	1,148	23,380	554	926
<b>Estimated NZ total autumn/ winter 2013 sowings &amp; intentions (from the April 2013 AIMI Survey Report)</b>	8,733	34,325	1,461	27,041	1,155	719
<b>Estimated NZ total autumn/ winter 2012 sowings &amp; intentions (from the April 2012 AIMI Survey Report)</b>	8,173	31,136	2,101	23,485	1,286	1,540
<b>Estimated NZ total autumn/ winter 2011 sowings &amp; intentions (from the April 2011 AIMI Survey Report)</b>	9,960	32,020	1,650	24,510	1,120	430
<b>Estimated change in autumn/ winter sowings &amp; intentions, 2017 to 2018 (hectares)</b>	-5,690	-3,380	-1,383	1,127	516	-501
<b>Estimated change in autumn/ winter sowings &amp; intentions, 2018 to 2019 (hectares)</b>	1,043	-3,792	-63	-4,137	-1,282	626
<b>Estimated % change in autumn/ winter sowings &amp; intentions, 2018 to 2019 (%)</b>	18%	-10%	-2%	-19%	-83%	82%

Table 3 above shows that most autumn/winter cereal crops had not been sown by 1 April 2019. For feed wheat, 13% had been sown, and for feed barley, 8% had been sown. For milling wheat and milling oats, 2% had been sown. No malting barley or feed oats had been sown on the survey farms. Therefore the estimates in the table are primarily sowing *intentions*.

For feed wheat and feed barley, autumn/winter sowings plus sowing intentions for 2019, as at 1 April 2019, are *lower* (down 10% and 19% respectively) than at the same time last year (1 April 2018). Autumn/winter sowings plus sowing intentions for 2019 are *up* 18% for milling wheat and up 82% for feed oats, similar between seasons for malting barley (down 2%), and down 83% for milling oats. When the autumn/winter sowings plus sowing intentions are summed over the four wheat and barley crops, the prediction is for a 10% decrease in autumn/winter sowings (a 6,900 hectare decrease in area sown). This predicted decrease in area sown in the autumn/winter of 2019 changes to a decrease of 7,600 hectares when we add in the two oats crops.

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