

# GROWER GUIDE



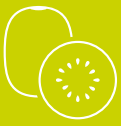
2022 HARVEST



## CONTENTS

- 4** Harvest Protocols 2022 – Hayward (HW)
- 6** Harvest Protocols 2022 – Sweet Green (HE)
- 8** Harvest Protocols 2022 – SunGold (GA)
- 10** Harvest Protocols 2022 – RubyRed (RS)
- 12** Taste Bands
- 13** Weight Bands
- 14** Kiwistart Indicative Rates
- 16** Key Contacts
- 17** Seeka App Guide





## HARVEST PROTOCOLS 2022 HAYWARD (HW)

<b>Prior to harvest</b>	Schedule 5 signed and returned to Seeka	
	Supply Agreement signed and returned to Seeka	
	Spray Diary Audit Notification and spray withholding period complete	
	Residue test must be taken and cleared prior to harvest (see note 8)	
<b>Harvest sample</b>	Sample size	90 fruit
	Days after full bloom	To be recorded

Protocol	Kiwistart (KS)	Mainpack
<b>Dry matter (DM)</b>	Conventional (CK)	≥ 15.9%
	Organic (OB)	> MTS 15.5%
<b>Pressure</b>	Soft fractile	≥ MTS 15.5%
	Lower brix fractile	To be recorded
<b>Equatorial brix</b>	Average	≥ 4.7°B
		≥ 6.2°B with no more than 27 fruit ≤ 5.7°B
<b>Black Seeds</b>	≥ 97%	N/A

Seeka Limited is not liable (including in respect of any negligent acts) to the addressee of these harvest protocols, or to any third party, for the information it provides, or for any direct, indirect or consequential losses or damages however caused, arising in connection with this information.

## NOTES

1. For all varieties soluble solids ( $^{\circ}$ Brix) are measured equatorially.
2. OB has the same clearance conditions as CK except for the OB DM threshold for KS and modified.
3. A maturity area (MA) must not exceed 4 Ha and/or 60,000 Te. Fines of \$100 per 1,000 Te over this limit may be applied.
4. A MA can only be split after harvesting has commenced if agreed by Zespri. It must be registered, described and the previous MA and its associated test results are not used thereafter.
5. A 90 fruit sample is required for all tests.
6. Once a MA meets MTS the result holds.
7. Residue tests: A multi-spectrum residue test result must be obtained for each 10 Ha of each KPIN/variety by each grower.
  - a. The validity of this test is 42 days after sample collection.
  - b. Results will take approximately 14 days from collection so tests should be ordered through your CRM depending on when you plan to pick.
  - c. Subsequent tests may be at the grower's cost.
  - d. Organic growers will need a clear residue test prior to harvest.
  - e. If a residue is detected then the crop will be quarantined prior to spray diary clearance with follow-up by Zespri.
  - f. HWCK volume procured by FPP must be ok for CN or JP or Z3 (Europe).
  - g. HWOB volume procured by FPP must be ok for JP or US or Z3 (Europe).

## GLOSSARY

>	Greater than
≥	Greater than or equal to, e.g. DM must be $\geq 14.5\%$
<	Less than
≤	Less than or equal to (Ranges may be written as $16.6 \leq 16.3$ DM which is the T taste band for HW. This means DM must be greater than or equal to 16.3 and less than 16.6 or, more simply, DM lies between 16.3 and 16.6.)
DAFB	Days after full bloom
$^{\circ}$ B	Degrees brix - the measure of soluble solids or sugars in these fruit increase from around 4.5 to about 15 - 16 brix, at eating ripe. HW is typically harvested at a lower brix fractile of $\geq 4.7^{\circ}$ B for Kiwistart and between 10 - $12^{\circ}$ B for Mainpack.
Brix fractile	Is the brix value of the third lowest brix reading on a 90 fruit sample. Brix fractile is used for Kiwistart clearances in HW.
Soft fractile	The firmness of the third softest fruit in a 90 fruit sample. Firmness is measured in KGF.
MTS	Minimum Taste Standards defined in terms of %DM. The MTS for HW is 15.5%.
NSS	Non-Standard Supply - Zespri is not obligated to take all available fruit if a size is categorised as NSS. Where volume in this size is procured no payment at submit is made.
ISO week	A calendar of weeks based on ISO 8601 week.
Period I	The Kiwistart period for HW in which Zespri pays extra for fruit to make up for size and dry matter forgone. Period 1 for HWCK is ISO weeks 11.6 - 18.5 (20 March to 7 May) and for HWOB is ISO weeks 12.6 - 18.5 (27 March to 7 May).



## HARVEST PROTOCOLS 2022 SWEET GREEN (HE)

	Schedule 5 signed and returned to Seeka	
<b>Prior to harvest</b>	Supply Agreement signed and returned to Seeka	
	Spray Diary Audit Notification and spray withholding period complete	
	Residue test must be taken and cleared prior to shipping (see note 4)	
	<b>Harvest sample</b>	Sample size
	Days after full bloom	To be recorded
	Restrictions	Submit must have started within 7 days of clearance or a new clearance is required

### Protocol

<b>Colour</b>	Gold fractile	≥ 112°H
<b>Dry matter (DM)</b>	Conventional (CK)	≥ MTS (= 16.8% DM)
<b>Pressure</b>	Soft fractile	To be recorded
<b>Equatorial brix</b>	Lower brix fractile	≥ 5.4°B
	Average	To be recorded
<b>Black seeds</b>		≥ 90%

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## NOTES

1. HE must be harvested before it changes colour from green to yellow hence the use of Gold fractile (the hue of the 3rd most colourful fruit) in this varieties maturity clearance criteria.
2. Seeka's harvest policy has been discussed with HE growers. Maturity areas (MA) with drop must be monitored and all bays shaken prior to picking.
3. A MA must not exceed 4 Ha and/or 60,000 Te. Fines of \$100 per 1,000 Te over this limit may be applied.
4. A MA can only be split after harvesting has commenced if agreed by Zespri. It must be registered, described and the previous MA and its associated test.
5. Results are not allowed to be used thereafter.
6. Residue tests – A multi-spectrum residue test result must be obtained for each 10 Ha of each KPIN/variety by each grower.
  - a. The validity of this test is 42 days after sample collection.
  - b. Results will take approximately 14 days from collection so tests should be ordered through your CRM depending on when you plan to pick.
  - c. Subsequent tests may be at the grower's cost.
  - d. If a residue is detected then the crop will be quarantined prior to spray diary clearance with follow-up by Zespri.

## GLOSSARY

>	Greater than
≥	Greater than or equal to, e.g. DM must be ≥ 14.5%
<	Less than
≤	Less than or equal to (Ranges may be written as 18.7 ≤ 17.8 DM which is the T taste band for HE. This means DM must be greater than or equal to 17.8 and less than 18.7 or, more simply, DM lies between 17.8 and 18.7.)
DAFB	Days after full bloom
°H	Degrees Hue – A unit of colour measurement used for kiwifruit. Hue changes from 115°H to about 99°H as the fruit ripens.
Gold fractile	The colour characteristic used to set the clearance threshold for HE fruit. It is the colour (hue) of the 3rd lowest hue in a 90 fruit sample.
°B	Degrees brix – the measure of soluble solids or sugars. Brix increases from around 4.5 to ≈ 15 - 16° brix at eating ripe.
Brix fractile	Is the brix value of the 3rd lowest brix reading in a 90 fruit sample.
Soft fractile	The firmness of the 3rd softest fruit in a 90 fruit sample. Firmness is measured in KGF.
MTS	Minimum Taste Standards defined in terms of %DM. The MTS for HE is 16.8%.
NSS	Non-Standard Supply – Zespri is not obligated to take all available fruit if a size is categorised as NSS. Where volume in this size is procured, no payment at submit is made.
ISO week	A calendar of weeks based on ISO 8601 week notation.



## HARVEST PROTOCOLS 2022 SUNGOLD (GA)

<b>Prior to harvest</b>	Schedule 5 signed and returned to Seeka	
	Supply Agreement signed and returned to Seeka	
	Spray Diary Audit Notification and spray withholding period complete	
	Residue test must be taken and cleared prior to shipping (see note 10)	
<b>Harvest sample</b>	Sampling	Every block on a grid basis
	Sample size	90 + 60 fruit
	Days after full bloom	To be recorded
	Restrictions	TZG is calculated for each size in the maturity area

### STANDARD CLEARANCES

Protocol		Kiwistart		Mainpack		Automatic conditional clearance <sup>1</sup>	
<b>Colour</b>	Colour threshold	≤ 110.7°		≤ 106.4°		≤ 108.7°	
<b>Dry matter (DM)</b>	DM threshold	Size 16 - 36 ≥ 16.1	Size 39 ≥ 16.6	Size 16 - 36 ≥ 16.1	Size 39 ≥ 16.6	Size 16 - 36 ≥ 16.1	Size 39 NSS ≥ 16.6
<b>Equatorial brix</b>	Lower fractile	≥ 5.0°					
	Mean			≥ 8.0°		≥ 8.0°	
	Upper fractile					> 13.5°	

<sup>1</sup> Mainpack fruit which has advanced maturity can be harvested at a higher colour threshold, as colour conditioning can be managed better in coolstore in preference to allowing brix to continue advancing.



## NOTES

1. Green fractile for colour (hue) assessment is no longer in use. Colour is now reported as colour threshold which is the hue value of the 90th percentile or 81st greenest fruit. A colour threshold of 110.7 is approximately equivalent to a green fractile of 112.5.
2. A maturity area (MA) must not exceed 4 Ha or 60,000 Te. Fines of \$100 per Te over this limit may be applied.
3. A MA can only be split after harvesting has commenced if agreed by Zespri. It must be registered, described and the previous MA is not allowed to be used thereafter nor any of its tests unless the change is due to a GA select pick for size.
4. GA select pick for size – Maturity areas can be split during harvest to create a new maturity area for the remaining fruit from a GA select pick for size. The new maturity area must be identified as a select pick maturity area in the Eurofins BOP registration.
5. Test required for all clearances.
6. 39s are now Non-Standard Supply (Y, T, R taste band only).  
42s – No packing, there is no export demand and excluded from domestic market.
7. Period 1 – Kiwistart period for GA in which Zespri pays extra for fruit to make up for size and dry matter forgone. Period 1 for GACK is ISO weeks 10 - 15 (< 15 March to 12 April). This includes Mainpack allocation if required. Period 1 for GAOB is ISO weeks 12.3 - 15.2 (23 March to 6 April).
8. Residue tests – A multi-spectrum residue test result must be obtained for each 10 Ha of each KPIN/variety by each grower.
  - a. The validity of this test is 42 days after sample collection.
  - b. Results take approximately 14 days from collection. Order tests through your CRM depending on when you plan to pick.
  - c. Subsequent tests may be at grower's cost.
  - d. Organics need a clear residue test prior to harvest to qualify for early start premium money, GACK must have market access to Z3 or JP or CN, GAOB must have access to Z3 and JP and US.
  - e. If a residue is detected then the crop will be quarantined prior to spray diary clearance with followup by Zespri.

## GA TASTE BY SIZE

1. GA has a significant DM by size relationship. Smaller size GA fruit has lower dry matter levels compared with the larger size fruit.
2. There is no TZG included in the GA maturity clearance standard. DM and MTS are used to calculate the taste band for GA fruit.
3. Fruit in every size band will be tested to ensure they meet DM protocol thresholds for harvest.
4. The taste payment is decided by TZG calculated from DM by count size at submit.
  - a. The 90 + 60 fruit sample TZG for each maturity area is calculated by size and is indicative only, i.e. it may be different to the submit TZG.
  - b. The grower payment will be based on the highest average TZG for the maturity area based on the final gross submit for each maturity area.
5. The information from a 90 + 60 (selected small fruit) fruit sample is used for a series of calculations by count size to get the best estimates of DM for each count size.
6. MTS – Minimum Taste Standard: Differs between sizes 16 - 36 and size 39.



## HARVEST PROTOCOLS 2022 RUBYRED (RS)

<b>Prior to harvest</b>	Schedule 5 signed and returned to Seeka	
	Supply Agreement signed and returned to Seeka	
	Spray Diary Audit Notification and spray withholding period complete	
	Residue test must be taken and cleared prior to shipping (see note 10)	
<b>Harvest sample</b>	Sampling	Every block on a grid basis
	Sample size	90 fruit
	Days after full bloom	To be recorded

### STANDARD CLEARANCES

Protocol		Mainpack
<b>Dry matter (DM)</b>	Conventional (CK)	≥ MTS 17.2%
<b>Pressure</b>	Average	≥ 6.0 kgf
<b>Equatorial brix</b>	Average brix	≥ 9.0°

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## CLEARANCE

1. External colour: Red must be harvested from light green to light brown.
2. All brix samples are measured equatorially.
3. Sample size for all clearances: 90 fruit.
4. Any 90-fruit sample must have a DM threshold of 17.2 percent or more.

## NOTES

1. Colour characteristic – Currently no flesh colour criteria in place for RubyRed. RubyRed flesh hue is not closely associated with firmness.
2. If sample has a Firmness Average  $\geq 6.0$  kgf no further maturity clearance samples will be able to be collected, tested, or reported for the blocks relating to the maturity area.
3. Sizing standard – fruit that weighs within the relevant or up to and including 10 grams above the relevant maximum weight is acceptable.
4.  $\geq$  Greater than or equal to, e.g. DM must be 17.2%.
5. B° (Degree's brix) – the measure of soluble solids or sugars in these fruit increase around 4.5 to about 15 -1 6 brix at eating ripe. Red is to be harvested around  $\geq 9$  brix during Mainpack.
6. MTS – Minimum Taste Standard defined in terms of %DM. The MTS for RS is 17.2%.
7. A maturity area (MA) must not exceed 4 Ha and or 60,000 Te. Fines of \$100 per 1,000 T over this limit may be applied.
8. A MA can only be split after harvesting has commenced if agreed by Zespri. It must be registered, described and the previous MA and its associated test.
9. Residue tests – A multi-spectrum residue test result must be obtained for each 10 Ha of each KPIN/variety by each grower.
  - a. The validity of this test is 42 days after sample collection.
  - b. Results will take approximately 14 days from collection so tests should be ordered through your CRM depending on when you plan to pick.
  - c. Subsequent tests may be at the grower's cost.
  - d. If a residue is detected, then the crop will be quarantined prior to spray diary clearance with follow-up by Zespri.
10. 46s are Non-Standard Supply.
11. Procuring all size 46s for Export.

## DISPENSATION

All dispensation requests to be made to [maturity.support@zespri.com](mailto:maturity.support@zespri.com). All Maturity Clearance Dispensations must have a 100 fruit packhouse firmness assessment undertaken immediately after submitting to assess the Zespri Grade Standards soft fruit standard (refer to Section 11 Grade Standards and Section 13 Sampling Specifications). All Maturity Clearance Dispensations must also have a Post Quality Inspection performed immediately after submitting if fruit from the maturity area is destined for China (refer to Section 21 China Fruit Checking Specifications). If a sample has a Firmness Average  $< 6.0$  kgf no further maturity clearance samples will be able to be collected, tested or reported for the blocks relating to the maturity area. A Maturity Clearance Dispensation may be available if Firmness Average  $< 6.0$  kgf.

## TASTE BANDS

	Hayward (HWCK)	Hayward Organic (HWOB)	Sweet Green (HE)	SunGold (GA)	RubyRed (RS)
<b>Y</b>	≥ 16.6	≥ 16.6	≥ 18.7	> 17.9	N/A
<b>T</b>	≥ 16.3 < 16.6	≥ 16.0 < 16.6	≥ 17.8 < 18.7	> 17.4 < 17.9	≥ MTS
<b>R</b>	No R Taste Band				
<b>M</b>	≥ MTS < 16.3	≥ MTS < 16.0	≥ MTS < 17.8	> MTS < 17.4	N/A
<b>MTS</b> (Minimum Taste Standard)	15.5% DM 70% threshold	15.5% DM 70% threshold	16.8% DM 70% threshold	16.1% DM 70% threshold	17.2% DM Threshold

### SUNGOLD TZG CAPS BY SIZE

Size	Cap
<b>16 - 30</b>	0.86
<b>33</b>	0.82
<b>36</b>	0.76

### MAXIMUM TASTE PAYMENT (MTP) INDICATIVE

Pool	MTP
<b>HWCK</b>	\$5.04
<b>HWOB</b>	\$6.75
<b>HECK</b>	\$7.45
<b>GACK</b>	\$9.75
<b>GAOB</b>	\$11.51



## WEIGHT BANDS

	Hayward & Sweet Green (Class 1)	SunGold (Class 1)	RubyRed
<b>16</b>		≥ 210 - < 240	
<b>18</b>	≥ 180 - < 210	≥ 180 - < 210	≥ 180 - < 210
<b>22</b>	≥ 151 - < 180	≥ 151 - < 180	≥ 151 - < 180
<b>25</b>	≥ 138 - < 151	≥ 138 - < 151	≥ 138 - < 151
<b>27</b>	≥ 128 - < 138	≥ 128 - < 138	≥ 128 - < 138
<b>30</b>	≥ 118 - < 128	≥ 118 - < 128	≥ 118 - < 128
<b>33</b>	≥ 106 - < 118	≥ 106 - < 118	≥ 106 - < 118
<b>36</b>	≥ 91 - < 106	≥ 91 - < 106	≥ 91 - < 106
<b>39</b>	≥ 82 - < 91	≥ 82 - < 91 (NSS - Y, T, R Taste Band only)	≥ 82 - < 91
<b>42</b>	≥ 74 - < 82		≥ 74 - < 82
<b>46</b>			≥ 65 - < 74 (NSS)

SunGold (GA) size 39 is non-standard supply (NSS). Zespri will not be procuring M Band fruit in this weight band for the 2022 season. Y, T, R Band fruit MAY be procured.

## KIWISTART INDICATIVE RATES

### ZESPRI® HAYWARD CONVENTIONAL (HWCK) KIWIFRUIT

ISO Week	Calendar Dates	16/18/22	25/27	30/33	36	39	Total Average
<b>Week 11/12</b>	19 Mar - 25 Mar	\$3.44	\$3.81	\$4.13	\$3.55	\$2.30	\$3.54
<b>Week 12/13</b>	26 Mar - 01 Apr	\$2.58	\$2.87	\$3.12	\$2.67	\$1.71	\$2.65
<b>Week 13/14</b>	02 Apr - 08 Apr	\$2.11	\$2.43	\$2.70	\$2.21	\$1.34	\$2.19
<b>Week 14/15</b>	09 Apr - 16 Apr	\$1.72	\$2.06	\$2.35	\$1.82	\$1.03	\$1.81
<b>Week 15/16</b>	17 Apr - 22 Apr	\$1.38	\$1.74	\$2.04	\$1.49	\$0.77	\$1.47
<b>Week 16/17</b>	23 Apr - 29 Apr	\$1.03	\$1.38	\$1.67	\$1.14	\$0.51	\$1.12
<b>Week 17/18</b>	30 Apr - 06 May	\$0.77	\$1.11	\$1.41	\$0.87	\$0.31	\$0.85
<b>Week 19</b>	07 May - 13 May	\$0.50	\$0.71	\$0.89	\$0.56	\$0.21	\$0.55
<b>Week 20</b>	14 May - 20 May	\$0.27	\$0.39	\$0.48	\$0.31	\$0.12	\$0.30

### ZESPRI® HAYWARD ORGANIC (HWOB) KIWIFRUIT

ISO Week	Calendar Dates	16/18/22	25/27	30/33	36	39	42	Total Average
<b>Week 12/13</b>	26 Mar - 01 Apr	\$4.44	\$4.80	\$5.12	\$4.89	\$4.82	\$4.45	\$4.88
<b>Week 13/14</b>	02 Apr - 08 Apr	\$3.37	\$3.70	\$4.00	\$3.78	\$3.72	\$3.38	\$3.78
<b>Week 14/15</b>	09 Apr - 16 Apr	\$2.60	\$2.95	\$3.26	\$3.03	\$2.97	\$2.61	\$3.03
<b>Week 15/16</b>	17 Apr - 22 Apr	\$1.90	\$2.20	\$2.48	\$2.28	\$2.22	\$1.91	\$2.28
<b>Week 16/17</b>	23 Apr - 29 Apr	\$1.22	\$1.48	\$1.71	\$1.54	\$1.49	\$1.23	\$1.54
<b>Week 17/18</b>	30 Apr - 06 May	\$0.64	\$0.85	\$1.04	\$0.90	\$0.86	\$0.64	\$0.90
<b>Week 18/19*</b>	07 May - 13 May	\$0.35	\$0.47	\$0.58	\$0.50	\$0.48	\$0.36	\$0.50

\*The week 18/19 rate may or may not be used depending on seasonal circumstances.

### ZESPRI® SWEET GREEN CONVENTIONAL (HECK) KIWIFRUIT EARLY SUPPLY PREMIUM

ISO Week	Calendar Dates	Taste Band Y & T, Market Access (Spray Diary) Japan OK Rates \$/Te	Non-Japan Rate \$/Te
<b>Week 10/11</b>	12 Mar - 18 Mar	\$1.60	\$0.75
<b>Week 11/12</b>	19 Mar - 25 Mar	\$1.10	\$0.75
<b>Week 12/13</b>	26 Mar - 01 Apr	\$0.75	\$0.75
<b>Week 13/14</b>	02 Apr - 08 Apr	\$0.50	\$0.50
<b>Week 14/15</b>	09 Apr - 15 Apr	\$0.30	\$0.30

### ZESPRI® SUNGOLD CONVENTIONAL (GACK) KIWIFRUIT

ISO Week	Calendar Dates	16/22	25/27	30/33	36	Total Average
<b>Week 10/11</b>	to 15 Mar	\$3.38	\$3.52	\$3.63	\$3.52	\$3.52
<b>Week 11</b>	16 Mar - 18 Mar	\$2.79	\$2.96	\$3.10	\$2.96	\$2.96
<b>Week 11/12</b>	19 Mar - 22 Mar	\$2.29	\$2.44	\$2.57	\$2.44	\$2.44
<b>Week 12/13</b>	23 Mar - 29 Mar	\$1.75	\$2.02	\$2.24	\$2.02	\$2.02
<b>Week 13/14</b>	30 Mar - 05 Apr	\$1.33	\$1.60	\$1.81	\$1.60	\$1.60
<b>Week14/15</b>	06 Apr - 12 Apr	\$0.98	\$1.31	\$1.57	\$1.31	\$1.31
<b>Week 15/16*</b>	13 Apr - 19 Apr	\$0.66	\$1.01	\$1.28	\$1.01	\$1.01

\*The week 15/16 rate may or may not be used depending on seasonal circumstances.

### ZESPRI® SUNGOLD ORGANIC (GAOB) KIWIFRUIT

ISO Week	Calendar Dates	16/22	25/27	30/33	36	Total Average
<b>Week 11</b>	to 18 Mar	\$3.47	\$3.66	\$3.80	\$3.66	\$3.66
<b>Week 11/12</b>	19 Mar - 22 Mar	\$2.87	\$3.05	\$3.19	\$3.05	\$3.05
<b>Week 12/13</b>	23 Mar - 29 Mar	\$2.31	\$2.54	\$2.72	\$2.54	\$2.54
<b>Week 13/14</b>	30 Mar - 05 Apr	\$1.63	\$1.94	\$2.19	\$1.94	\$1.94
<b>Week14/15</b>	06 Apr - 12 Apr	\$1.00	\$1.30	\$1.55	\$1.30	\$1.30

Note that the market access requirement for the Japan OK Rates does not include lines that are excluded by pest finds. Payments are equal by size and based on submit timings.



## KEY CONTACTS

Seeka Head Office 07 573 0303

### CLIENT RELATIONSHIP MANAGERS

Western	Central	Eastern	North
<b>Andrew Dawson</b> 027 594 0247	<b>Glen Richards</b> 022 157 3302	<b>Bryce Morrison</b> 027 261 2474	<b>Bryce Kennedy</b> 021 109 0439
<b>Andrew Weatherley</b> 027 815 6795	<b>Brenton Barnett</b> 027 203 8612	<b>Alan Henderson</b> 021 222 0451	
<b>Jenni Wilson</b> 021 609 541	<b>David Eglinton</b> 027 314 6668	<b>Barry Folster</b> 027 216 0849	<b>Maori Business Development</b>
<b>Jon Merrick</b> 027 355 6834	<b>Murray Dykes</b> 021 345 026	<b>Peter Johnston</b> 027 448 6819	<b>Neil Te Kani</b> 027 652 4480
<b>Richard Allen</b> 027 530 7909	<b>Peter Weaver</b> 021 999 312	<b>Tim Tietjen</b> 027 527 9464	<b>Rhys Rushton</b> 027 972 0820
	<b>Todd Hardie</b> 027 540 7898	<b>Warren Bridges</b> 021 281 9681	

### PACKHOUSES AND SITE MANAGERS

**Please note:** Due to Covid-19, Seeka is restricting packhouse visits. Please contact your CRM in the first instance.

Packhouse		Site Manager	
<b>Aongatete</b>	07 552 0912	Nick Hargreaves	021 779 036
<b>Huka Pak</b>	07 575 9812	Richard Lavis	027 661 1057
<b>Katikati</b>	07 549 3061	Greg Brown	021 826 915
<b>Kerikeri</b>	09 407 8049	Steph Britt	021 0225 7004
<b>KKP</b>	07 533 2313	Daniel Rae	027 537 1558
<b>NZ Fruits</b>	06 869 2135	David Fox	021 275 6353
<b>Oakside</b>	07 573 8108	Michelle Bennett	027 564 2137
<b>OPAC</b>	07 315 8700	Jackson Edwards	027 405 5390
<b>Orangewood</b>	09 407 9839	Steph Britt	021 0225 7004
<b>Peninsula</b>	07 866 3519	Cheyne Beaver	027 236 9895
<b>Transpack</b>	07 573 6586	Scott Struiksma	027 775 8631





# SEEKA APP



## HOW TO GUIDE

# INTRODUCING SEEKA'S APP

Seeka is pleased to bring you the latest innovation in monitoring your orchard's performance, including test results, packing progress and inventory management data. Access your orchard's data anytime, anywhere with a tap on your smartphone or tablet.

It's an easy-to-use tool which provides up to date results quickly, especially important throughout harvest to understand how your fruit is performing and make decisions.

The Seeka app shows you select reports, top line results you need out of hours and on-the-go, with the data shown visually rather than just the numbers. Your in-depth reports will still be available to access via the grower website.

## All of your orchards are included in the app, you can view:

### Combined orchards by variety

- Overall packing progress
- Overall loadout progress

### Clearance tests

- View and compare test results, shows multiple criteria

### Interim reporting

- Size profile
- Bins tipped to date
- Yield
- Fruit loss
- Reconciled data

### Coolstore inventory

- Load outs compared to Seeka average
- Submit trays
- CC pass and fails
- Load out priority changes
- Fruit loss

### Maps

- Orchards by variety
- Latest clearance test results geographically

### Calendar

- Fruit sample schedule
- Fruit packing schedule and progress

## Getting started

Install the app on your mobile device from the Google Play store or Apple store. Enter 'Seeka' in the search bar and select the app with Seeka's logo from the list of results and choose install/download.

Seeka will email you a unique login and password. This is sent to the primary contact email address listed with Seeka. It is possible for an additional login, but the orchard owner must provide permission in writing.

Once the app has been downloaded, tap the icon of Seeka's logo. Enter your unique login details below and follow the instructions on screen to complete your registration. In the process you will be asked to set a new password and pin.

If you need help logging into the app or resetting your password, please contact your CRM.

## USING SEEKA'S APP

This is a step-by-step guide to show you how the app can be navigated, just touch the screen of your device to move around your orchard information. If you have any questions or feedback, please don't hesitate to contact your CRM.

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1. Search for the Seeka app in your app store and download.



- 2.



### 3. To login into the Seeka app:

**Username:** your email address

**Password:** Initial login will require the temporary password that has been emailed to you. Once you have logged in for the first time, you will be prompted to enter your own password for future use.

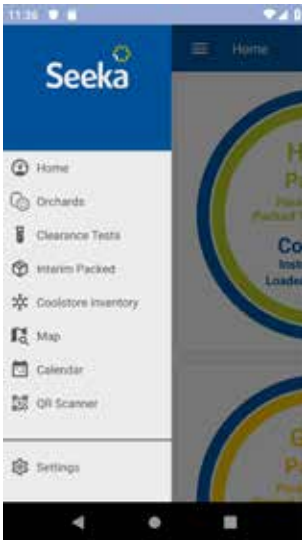


4. As part of the initial login process, you will be asked to enter a four digit pin number. This four digit pin will be required every time you log into the app on your phone or tablet.



5. Once login is completed, you will be presented with the home page giving you an outline of your fruit across all associated kpins for each variety.

From this page, you can either navigate your way through the app via the contents page, or alternatively a simple tap on the circle will open the next stage of the app showing individual orchard information.



- To access the contents list, tap on the symbol at the top left of the app screen next to Home. From this list, you can select what page you would like to view.

**Orchards** – shows information at a Kpin/variety level.

**Clearance tests** – shows the most recent test results by maturity area.

**Interim Packed** – interim packing information by maturity area included bins tipped, trays packed, packed yield and average size.

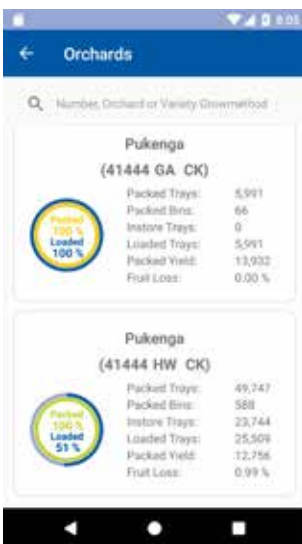
**Coolstore Inventory** – Up to date coolstore information by maturity area showing total submit, instore trays, condition checking and fruit loss results.

**Map** – your orchard maps showing maturity areas and clearance results.

**Calendar** – Up to date information.

**QR Scanner** – scan to show hazards on orchard.

**Settings** – Set up notifications and extra accounts under the grower.



- From the home screen, tap on the large circle to open up Kpin/Ppin/Variety data including packed trays, packed bins, instore trays, loaded trays, packed yield and fruit loss.

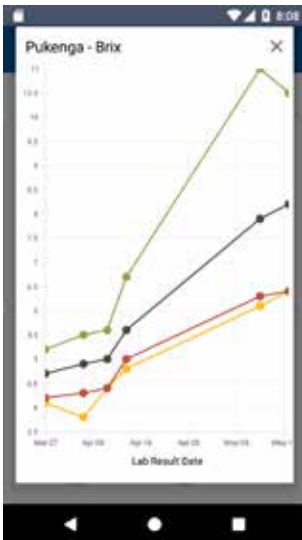


- Tap on an orchard/variety to open a selection pane where you can select to see clearance tests, interim pack tray report, coolstore inventory summary and your orchard map.



## 9. Clearance tests

After selecting clearance tests in the screen above (or from the main contents menu on the home page), you will be directed to a page showing the most recent test result for each maturity area of the orchard and variety you have selected.



- Under the clearance test screen, tap on the individual clearance test type (Brix, DM, TZG) to bring up a graph showing how your orchard/maturity area tests have progressed over time.

Tap on the points on the graph to show the figures.



## 11. Interim packed

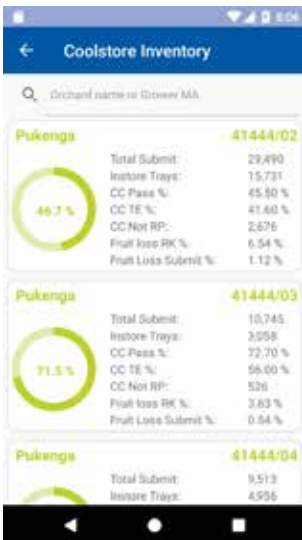
Up to date pack out data by maturity area showing bins tipped, packed trays, average size, size profile graph and packed yield.

Tap on the graph area to open your packout data.



## 12. Packout data

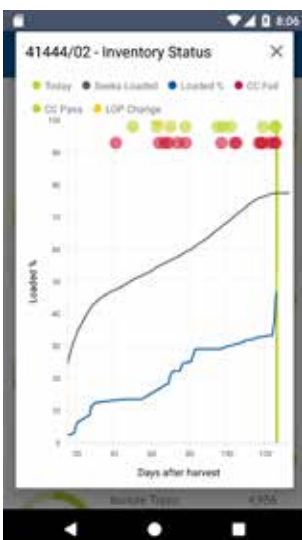
Individual packrun data showing Trays per bin, class 1 and class 2 packout percentage and reject percentage. This packout data will only be visible once a packrun has been reconciled.



## 13. Coolstore inventory

Maturity area data showing how your fruit is performing in the coolstore including submit trays, instore trays, condition checking data and fruit loss data.

Tap on a maturity area to open the coolstore inventory graph.



## 14. Inventory status graph

Up to date graph showing how your fruit (by maturity area) is tracking post packing.

Blue line represents the loadout movement (by percentage) of your maturity area.

Black line represents the Seeka average loaded percentage.

Green vertical line represents today.

Green and red dots at top of graph indicate condition checking passes and fails.



## 15. Map

Orchard map showing the different maturity areas (by colour) and clearance testing pass, fail or pending.



## 16. Map options

Click on the plus sign at the bottom right hand corner to change the map view.

Clicking the top icon allows you to switch between seeing varieties and clearance results. If the clearance results option is selected, you can click on the tick or cross above a block to open a window showing the latest test results for that particular maturity area.

The middle icon gives you the option of how you would like to view your orchard map (satellite, topographical, or 2D).

If you wish to minimise the icons from your map, simply tap on the cross (bottom icon).



17. To view your latest test results from the map screen simply tap on a tick or cross to bring up your latest lab results for the associated maturity area.





18. If your map view shows varieties, tap on the individual variety icon to show the associated maturity area.



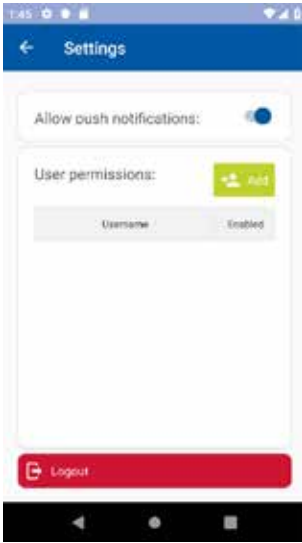
### 19. Calendar

The calendar can be located via the main menu on the home screen. This calendar shows up to date information such as planned packing schedules, upcoming field days and grower events.



### 20. QR Scanner

The QR Scanner function is located under the main menu on your home page. Use this scanner to scan QR codes which will show hazards on the orchard.



## 21. Notifications and Add user

After selecting Settings you click the toggle button to allow push notifications to receive notifications such as Clearance test results etc.

Click the Add button to enter the email address of the account you want to create.

Turn this account on and off by clicking toggle button.



## 22. User access and password reset

If you tap on the email address, you can turn access on/off for each grower variety via the same method.

You can also delete the account or reset their password for them.

# ANSWERS TO FREQUENTLY ASKED QUESTIONS

## What is the Seeka app?

Seeka app is an easy to use app offering growers the ability to access up to date information regarding their orchard wherever they may be.

## What is the difference between the Seeka app and the Seeka website?

The Seeka App allows growers to access basic up to date information regarding their orchard such as maturity clearance and packout results. For more in depth information growers are still encouraged to log into the Seeka Website.

## Does my login contain all of my orchards?

Yes, your login should give you access to all of your orchards. If for any reason you believe an orchard is missing from your login, please contact your Client Relationship Manager.

## If I have any questions regarding the app, who do I contact?

Please contact your Client Relationship Manager in the first instance if you have any queries

## I don't like apps; can I get my data elsewhere?

If you do not wish to download the Seeka app, no worries! You can still access your orchard information via the grower section of the Seeka website ([www.seeka.co.nz](http://www.seeka.co.nz))

## Is my data secure?

Yes your orchard data is secure. Permission must be granted by the orchard owner or person in charge for any additional logins for an orchard. As per any log in details, Seeka discourage the sharing of usernames and passwords. If for any reason, you have concerns about the security of your orchard information, please contact your Client Relationship Manager.

## What functionality will be added to the Seeka app?

Seeka continue to look at ways we can improve and simplify the way in which growers can access information about their orchards. For this reason, the app will continue to evolve as time goes by. Please ensure you allow updates to occur on the app so you don't miss out on any new features that may be added in the future.



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