91530



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Level 3 Agricultural and Horticultural Science, 2015

QUALIFY FOR THE FUTURE WORLD KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

91530 Demonstrate understanding of how market forces affect supply of and demand for New Zealand primary products

9.30 a.m. Monday 30 November 2015 Credits: Five

Achievement	Achievement with Merit	Achievement with Excellence	
Demonstrate understanding of how market forces affect supply of and demand for New Zealand primary	Demonstrate in-depth understanding of how market forces affect supply of	Demonstrate comprehensive understanding of how market forces affect supply of and demand for New	
products.	and demand for New Zealand primary products.	Zealand primary products.	

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–16 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

Not Achieved

TOTAL

7

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INSTRUCTIONS

This assessment relates to New Zealand primary products that either earn significant export revenue or allow for self-sufficiency within New Zealand.

Before selecting a product for each question, carefully note the following points:

- 1. Read each question to ensure that you can meet all of its requirements.
- 2. Different products must be selected for Question One and Question Two.
- 3. Any product (other than KiwiBerries) may be selected for Question Three, including products used in Questions One or Two.

Choice of market forces affecting product supply for discussion in Question One:

- exchange rate
- · price trends
- political intervention
- weather events.

Choice of market forces affecting product demand for discussion in Question Two:

- · consumer preferences
- promotion
- quality requirements of processors or buyers
- price.

Question Three requires you to discuss and compare the **challenges and opportunities** associated with the supply of KiwiBerries to export markets with those of another New Zealand primary product. This may be a product you have already used, or a different product. It must be **exported** at a nationally significant level.

SELECTION OF PRIMARY PRODUCTS	
Primary product (1) for discussion of supply: MIK WWW.	
many product (1) to discussion of papers.	
Primary product (2) for discussion of demand: Megt and eagble atal	
Primary product for comparison with KiwiBerries: Milk poudev	

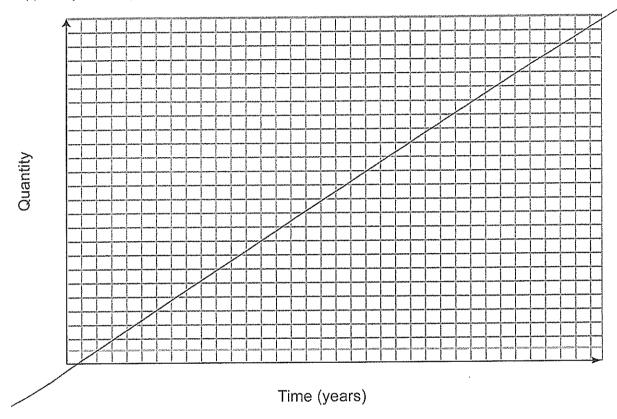
Note: In your answers, use specific examples, including recent units and values where appropriate, to help explain how market forces affect supply and demand – e.g. volume of product, typical costs, and returns to producers.

QUESTION ONE: Market forces affecting the supply of primary products

Note that neither KiwiBerries nor the product you have chosen for discussion in Question Two can be used for this question.

Primary product (1): MIK RANDEN

Draw a graph on the grid below, representing trends in the quantity exported over the last five years (quantity vs time).



Explain the impact of different market forces affecting **supply**, shown in the box below, that account for the trends observed.

Exchange rate

Political intervention

Rrice trends

Weather events

In your answer:

- identify the trends that are observed in the graph
- for TWO of the market forces shown in the box above, explain how each contributes to the market trends observed in the graph
- rank the importance of these two market forces in terms of their impact on the market trends observed, and justify your ranking

euse data and evidence-where-appropriate.

Fresh Milk Comes from dairy

farms. Over the last 5 years

dairy farms have been supplying

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more and more as the price they assessor use only	'S
were being payed increased in	
that time though supply dropped	
a few on times when the price	
farmers were being payed dropped. His	
was because, for the farthers they	
were befor off brying in extra	
calties growing them then selling them	
eff at 16 Imonths. The most Significan	
drop in prices was in the last few	
months.	
the weather also affects the amount	
of milk can supply because when it	
is hot and day as it has been	
the last couple of simmers, the cows	
don't make as much milk so the	
farmers can not supply as much.	
at times like this then prices usually	
increase a little bit	
Also if it rains to much and thoods	
for long periods of time this will	
Kill grass so cows can not produce	
as Much. Hiso if to many extra	
cold trosts hit in a row this will	
also Kill, the gross and supply will	
decrease.ll	
More space for this answer is	

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/	
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QUESTION TWO: Market forces affecting the demand for primary products

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Note that neither KiwiBerries nor the product you have chosen for discussion in Question One can be used for this question.

Primary product (2):	meat	and	edabk	effel	

Demand for a product can often be influenced by more than one factor. For your second selected product, identify market forces from the box below that impact on **demand**, and explain the relative importance of each of these forces.

Consumer preferences

Promotion

Quality requirements by processors or buyers

Price

In your answer:

 select TWO of the market forces from the box above, and explain the relative importance of each to the demand for the product

select the market force that has the greater effect on the demand for your primary product, and justify your selection using data and evidence as appropriate.

From 2007 to 2012 demand for Meat and eduble offel has increased.

It is now new Zealands second biggest export after cheese, and milk pender.

In 2012 meat a and eduble offel made up it is of all exports from New Zealand. This was due to consumer preferences. People in other countries wanted what we have so the countries wanted what we have so the countries had to begin buy.

11

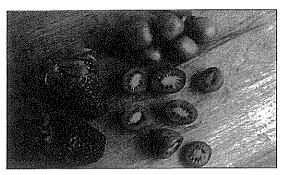
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QUESTION THREE: Supply of KiwiBerries and another primary product for export

RESOURCE ON KIWIBERRIES

Product description



The KiwiBerry belongs to the kiwifruit family, and is grown in a similar way. It is a smooth, small, hairless berry (5–20 g) with an edible skin, and its shape varies from round to elongated. Kiwiberries are eaten whole, including the skin, and are sweet, with a gooseberry / guava flavour. They are very high in vitamin C and antioxidants, and can be used in drinks, salads, salsas, muffins, kebabs, and as snacks.

Harvest is from February to April.

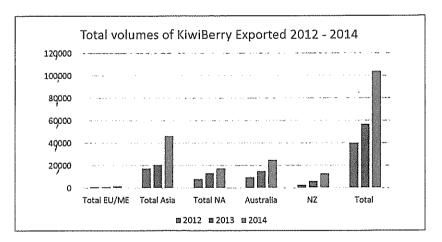
KiwiBerries have not been threatened by the PSA disease.

Overseas markets

The exported fruit is air-freighted to Asia – China, Singapore, Hong Kong, and Taiwan – and to Australia, the US, and Europe. It is mostly sold in retail outlets; there may be opportunities to sell more KiwiBerries into food service industries.

Market trends

Current export trends are illustrated by the graph below. Quantities shown on the vertical axis are the number of trays delivered.



Marketing challenges

- Many growers have said that the seven-figure license-to-grow fee charged by HortResearch (now Plant & Food Research) priced them out of the market.
- Growers complain that HortResearch are promoting their varieties in Australia and Chile. Both harvest at the same time as New Zealand and compete with New Zealand growers.
- The total New Zealand crop comes from about 30 hectares of vines on pergolas, and plant material is carefully controlled to avoid over-production.
- The very short season does not allow for long-term market establishment.

Text source (adapted): http://www.nzkiwiberry.com

Image source: http://impeckableeats.com/2012/03/strawberry-kiwiberry-mascarpone-cream-parfait/

Graph source: NZKiwiBerries Growers Inc

New Zealand's isolation and location in the Southern Hemisphere provide us with both challenges and opportunities when exporting our products to overseas markets.

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Using the resource on page 12, compare and contrast KiwiBerries with a product you have studied, in terms of the challenges and opportunities that exist for supplying New Zealand's primary products to export markets.

•
Killi Berry's are only Havested for 3
months of the Juliar and probably do
not have a very long shet life 3c
they can only be 3old export for
a Jew months every year where as
milk powder can be sold and exported
all year round because some farms
produce milk all year round so tresh
mill pawder can he made all year
roundo it will also have a much longer
self life so older milk pavder can be
Sold lexported even when demand is high
and supply isn't as high as demand-
Being isolated and in the southen hemisphere
slightly restrict us from exporting all around
the world and to the northand hemisphere
but being so close to austraila
provides as will huge opportunitie because
even though there demand isn't as high
for all exported products, they Still'Il

More space for this answer is available on the next page.

by buy alot from us because of
The ease of shipping.
so New Zegland exported mik pawder
is a much more stable industry
because of the extended selling time
and also because of the fact
that there is much more mik
powler and because we have more
of it we can sell a higher
guantity of it. Il a higher

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Not	Achieved ex	emplar for 91530 – 2015	Total score: 7	
Q	Grade score	Annotation		
1	А3	This response generalised about when the price dropped, farmers supplied less milk and instead focused on growing extra calves, whereas in times of higher prices, the volume of milk was higher. Milk volumes or prices were not provided.		
2	N2	The response noted an increase in demand for edible offal, but no specific consumer preference was specified for the increase. There needed to be a specific consumer preference specified.		
3	N2	The response was borderline N2/A3. There were some correct facts, such as milk powder having a longer shelf life than Kiwiberries, but also some incorrect statements, such as our distance restricting our exports to the northern hemisphere.		