No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA qualification or award.

SUPERVISOR'S USE ONLY

3

91531



Draw a cross through the box (図) if you have NOT written in this booklet



Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

Level 3 Agricultural and Horticultural Science 2023 91531 Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s)

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s).	Demonstrate in-depth understanding of how the production process meets market requirements for a New Zealand primary product(s).	Demonstrate comprehensive understanding of how the production process meets market requirements for a New Zealand primary product(s).

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 parts of the task 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 2–11 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (contribution). This area will be cut off when the booklet is marked.

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

TOTAL 06

INSTRUCTIONS

Carefully read ALL the instructions and parts before answering.

You must answer the different parts using TWO different primary products – Primary product (1) and Primary product (2).

Different primary products are required for parts (a) and (b). Part (c) will be answered using either the primary product used in part (a) or part (b).

In addition, you must use different market requirements from the list below for parts (a) and (b).

Market requirements

- Quality (consistency, attributes, uniformity, presentation)
- Quantity
- Timing
- Price

STIMULUS MATERIAL

Primary producers need to have a clear understanding of the requirements their customers or overseas markets have. This will allow them to make informed decisions on the farm to be able to satisfy those requirements.

Primary producers may get feedback from customers directly, from their importers overseas, from government industry bodies, or from their primary producers' organisations.

The better the feedback and understanding between the market and the primary producers, the better the alignment between production and market.



TASK: How management practices meet market requirements

Name a primary product and a specific market. Choose a market requirement from the list on page 2.

Primary product (1): New Zealand King Salman

Specific market: USA

Market requirement (1): Quality

 (a) (i) Explain a market requirement for your named primary product (1). Use data to support your answer.

The auality of a N2 King Salmon is a very important market requirement for the processe of Selling the Salmon it will determined how much your appropriate you want it to be 30 on the rock state Scale So the meat is a nice orangen colour. You also want it to be high in Omega 3's because that's are good for the nervous system. The ptt leve is important to have a good tasting Salmon you want a level pd 6.15 ptt any higher than that tendery.

(ii) Explain two management practices that are carried out to meet the market requirement of your chosen primary product (1).

You must clearly link the management practices to the market requirement and use data to support your answer.

Management practice (1): Feeding teeding is a very important pact quality Salmon. They feed nuitents help keep the well the oil helps build make the fish big Salmon through a despiece that the water and Shoots the pellets orange have a mera at the botton of the pond So if any food it turns of because the fish on bull- Because you destjuste Management practice (2): Housing What the Salmon live Salmon are keep and living is vely quality because it also the apparence the adside that maters. Salmon pecause

the place they live has to be Safe. nothing sharp anythe that the Salmen could cut them selves on one a shore net so no other animals can get in and hart then in any way. This all helps to have a better quality salman one that mens a higher price

Agricultural and Horticultural science 91531, 2033 Sold for

Name a second primary product and specific market. Choose a **different** market requirement from the list on page 2.

Primary product (2): Lamb

Specific market: UK

Market requirement (2): Timing

(b) (i) Explain a different market requirement for your named primary product (2). Use data to support your answer.

Timing corrects t down to when am I
going to get the most money for my
product. Is supply and demand. It's works
well between NZ and UK because there
off Season is our or season and it's the
there or season is our off Season. So it's
good pecause when it's there off
Season they still went lambs so
we sell then ours in 2021/2022 we
exported around 35,000 lambs. A time of year
they have a high demand for them is
christmas hime because that time of year
the farms will get the most amount
of money for a lamb. So darmers
work really hard to make sive their

(ii) Explain two management practices that are carried out to meet the market requirement of your chosen primary product (2).

You must clearly link the management practices to the market requirement and use data to support your answer.

Nanagement practice (1): Ptateing Mating

You want to put the ram out with
the ewes normally on st particles day
25th march. This is important so they are
lambed in time so they have a good
amount at fine to make and grow
to be ready to get sent are to
all for christmas a lamb is
normally that are ready to go at about
45 Kass the when the farmer are happy to
Sell them at to get top dollar

Management practice (2): Hushing

Hushing is Important before and after the lamb has lown been lambed. The law to eat the best pasher before lambing to get healthy to so the lamb is healthy. After the lamb has come off milk good to get it on really good pasher to grow it Strong and fast So its at a good Size onel health to be exported over to alk at growned USKg So farmer gets top dollar.

Primary product: Salmon

(c) Justify the management practice that is the most significant for maximising profit or maximising volumes for your chosen primary product. Use data to support your answer.

Feeding

Thre is also nutrients in the food to keep the Sahnan healthy therefore can grow and be in the best quality as they can Feeding is very indepent for the quality as of your salman in the end and when you go to sell it to get Mark prodit because what you put into the Sahnan is what yould get out of it in money terms.

Merit

Subject: Agricultural and Horticultural Science

Standard: 91531

Total score: 06

Q	Grade score	Marker commentary
One	М6	The candidate used salmon and lamb as primary products, and UK markets, in their response about specific market requirements. They have provided some data to support the scientific explanation of using the management practice to meet the market requirement for salmon. For Part (c), the candidate has connected feeding as a management practice, and explained how it can lead to profits being maximised.