



**higher education  
& training**

Department:  
Higher Education and Training  
**REPUBLIC OF SOUTH AFRICA**

# **MARKING GUIDELINE**

**NATIONAL CERTIFICATE**

**DATA MANAGEMENT: FARMING N6**

**4 June 2021**

**This marking guideline consists of 12 pages.**

**SECTION A: THEORY****QUESTION 1**

1.1	1.1.1	D		
	1.1.2	D		
	1.1.3	D		
	1.1.4	B		
	1.1.5	C		
	1.1.6	B		
	1.1.7	A		
	1.1.8	A		
	1.1.9	D		
	1.1.10	C		
			(10 × 2)	(20)
1.2	1.2.1	True		
	1.2.2	False		
	1.2.3	True		
	1.2.4	True		
	1.2.5	True		
	1.2.6	False		
	1.2.7	True		
	1.2.8	False		
	1.2.9	True		
	1.2.10	False		
			(10 × 1)	(10)
1.3	1.3.1	Number of characters printed per second (CPS)		
	1.3.2	Maximum width of paper that can be handled		
	1.3.3	The number of characters per inch that can be printed horizontally		
	1.3.4	Measured in dots per inch (dpi)		
			(4 × 3)	(12)
1.4	1.4.1	The paper is on a flat surface and the pen is moved across the sheet.		
	1.4.2	The paper is mounted around a drum and the pen movement follows a line parallel to the axis of the drum as it rotates.		
			(2 × 2)	(4)
1.5	1.5.1	Voice telephone calls via the Internet		
	1.5.2	A network which passes information within a company or organisation		
	1.5.3	A network which is partially accessible to authorised outsiders		
	1.5.4	Allows users to easily retrieve only the latest information for example news headlines from regularly used websites		

	1.5.5	Light-sensitive pen used by engineers and architects to create diagrams or graphic drawings on a screen		
	1.5.6	A string of characters you enter to verify your identity		
	1.5.7	A unique code given to every user to access a network	(7 × 2)	(14)
1.6	1.6.1	Integrated Service Digital Network		
	1.6.2	Asymmetric Digital Subscriber Line		
	1.6.3	Super Video Graphics Array		
	1.6.4	Extended Graphics Array	(4 × 2)	(8)
				<b>[68]</b>
			<b>TOTAL SECTION A:</b>	<b>68</b>

**SECTION B: PRACTICAL**

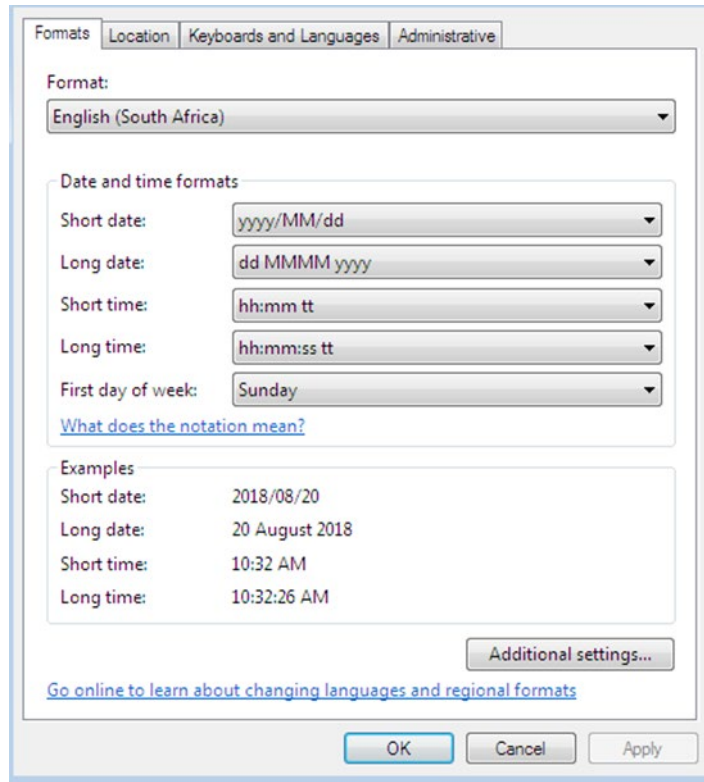
**QUESTION 2**

2.1



Correct window ✓✓ Print screen ✓✓  
 Question number left in the header ✓  
 Examination number right in the header ✓ (6)

2.2



Correct window ✓✓ Print screen ✓✓  
Question number left in the header ✓  
Examination number right in the header ✓

(6)  
[12]

**QUESTION 3: SPREADSHEET**

3.1 NO ROW AND COL HEADINGS ✓

EXAM NO. QUESTION 3.1 ✓✓

	A	B	C	D	E	F	G	H
1	CROP PRODUCTION							
2	SALES							
3	CROP	TONNES SOLD	PRODUCTION COST/ TONNE	TARIFF	SELLING PRICE/ TONNE	% PROFIT/ TONNE	TOTAL INCOME	COMMISSION
4	BEANS	11	6200					
5	MAIZE	16	3520					
6	CABBAGE	21	2800					
7	WHEAT	5	5950					
8	RICE	2	9500					
9	TOMATO	9	4000					
10	TOTAL							
11	AVERAGE							
12	HIGHEST PROFIT							
13							TARIFF	
14						2000	5%	
15						3000	10%	
16						4000	15%	
17						5000	20%	
18						6000	25%	
19						7000	30%	
20						8000	35%	
21								

WRAP TEXT ✓

**FIGURE 1**

PRINT A4 LANDSCAPE ✓

(5)

3.2

Insert row✓

Insert row✓

D/W COOPER BLACK✓ 16✓ MERGE AND CENTRE✓

	A	B	C	D	E	F	G	H	I
1	<b><u>CROP PRODUCTION</u></b>								
2									
3	<b><i>SALES</i></b>	B✓ IV							
4									
5	<b>CROP</b>	<b>TONNES SOLD</b>	<b>PRODUCTI ON COST/ TONNE</b>	<b>MAR K UP</b>	<b>SELLING PRICE/ TONNE</b>	<b>PROFIT/ TONNE</b>	<b>TOTAL INCOME</b>	<b>COMMISSIO N</b>	
6	RICE	<i>SORT DATA ACC TO TONS SOLD✓</i>	2	R 9 500.00	35%	R 12 825.00	R 3 325.00	R 25 650.00	R 0.00
7	WHEAT		5	R 5 950.00	20%	R 7 140.00	R 1 190.00	R 35 700.00	R 0.00
8	TOMATO		9	R 4 000.00	15%	R 4 600.00	R 600.00	R 41 400.00	R 0.00
9	BEANS		11	R 6 200.00	25%	R 7 750.00	R 1 550.00	R 85 250.00	R 12 787.50
10	MAIZE		16	R 3 520.00	10%	R 3 872.00	R 352.00	R 61 952.00	R 9 292.80
11	CABBAGE		21	R 2 800.00	5%	R 2 940.00	R 140.00	R 61 740.00	R 9 261.00
12	TOTAL:		<b>64</b>	<b>R 31 970.00</b>	<b>110%</b>	<b>R 39 127.00</b>	<b>R 7 157.00</b>	<b>R 311 692.00</b>	<b>R 31 341.30</b>
13	AVERAGE:		<b>11</b>	<b>R 5 328.33</b>	<b>18%</b>	<b>R 6 521.17</b>	<b>R 1 192.83</b>	<b>R 51 948.67</b>	<b>R 5 223.55</b>
14	HIGHEST COMM:		<b>R 12 787.50</b>						
15									
16							MARKUP		
17						2000	5%		
18						3000	10%		
19						4000	15%		
20						5000	20%		
21						6000	25%		
22						7000	30%		
23						8000	35%		

B✓ CENT✓ WRAP TXT✓

**CALCULATIONS**  
 A✓ F✓  
 B✓ G✓  
 C✓ H✓  
 D✓  
 E✓

HORIZONTAL AND VERTICAL LINES✓✓

PRINT IN LANDSCAPE WITHOUT ROW AND COLUMN HEADINGS, 1PAGE✓✓

R SIGN, 2 DECIMALS, INTEGER✓✓✓

R/ALIGN, BOLD ANSWERS CALC (A-H)✓✓

(37)

3.3

CHANGE QUESTION NO. TO 3.3 ✓

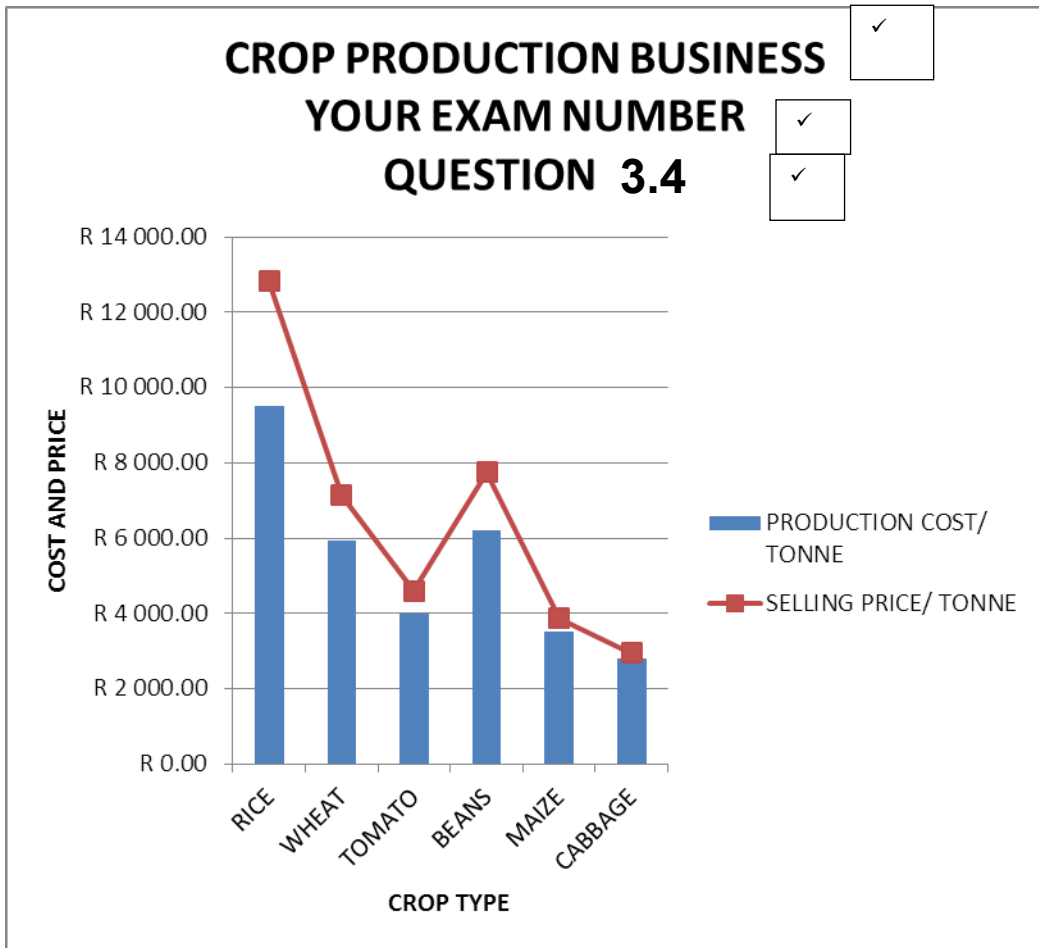
	A	B	C	D	E	F	G	H
1	<b>CROP PRODUCTION</b>							
2								
3	<b>SALES</b>							
4								
5	<b>CROP</b>	<b>TONNES SOLD</b>	<b>PRODUCTION COST/ TONNE</b>	<b>MARK UP</b>	<b>SELLING PRICE/ TONNE</b>	<b>PROFIT/ TONNE</b>	<b>TOTAL INCOME</b>	<b>COMMISSION</b>
6	RICE	2	9500	=YLOOKUP(C6,\$F\$17:\$G\$23,2)	=C6*(D6*C6)	=E6-C6	=B6*E6	=IF(G6>=50000,15%*G6,0)
7	WHEAT	5	5950	=YLOOKUP(C7,\$F\$17:\$G\$23,2)	=C7*(D7*C7)	=E7-C7	=B7*E7	=IF(G7>=50000,15%*G7,0)
8	TOMATO	3	4000	=YLOOKUP(C8,\$F\$17:\$G\$23,2)	=C8*(D8*C8)	=E8-C8	=B8*E8	=IF(G8>=50000,15%*G8,0)
9	BEANS	11	6200	=YLOOKUP(C9,\$F\$17:\$G\$23,2)	=C9*(D9*C9)	=E9-C9	=B9*E9	=IF(G9>=50000,15%*G9,0)
10	MAIZE	16	3520	=YLOOKUP(C10,\$F\$17:\$G\$23,2)	=C10*(D10*C10)	=E10-C10	=B10*E10	=IF(G10>=50000,15%*G10,0)
11	CABBAG	21	2800	=YLOOKUP(C11,\$F\$17:\$G\$23,2)	=C11*(D11*C11)	=E11-C11	=B11*E11	=IF(G11>=50000,15%*G11,0)
12	TOTAL:	=SUM(B6:B11)	=SUM(C6:C11)	=SUM(D6:D11)	=SUM(E6:E11)	=SUM(F6:F11)	=SUM(G6:G11)	=SUM(H6:H11)
13	VERAGE:	=AVERAGE(B6:B11)	=AVERAGE(C6:C11)	=AVERAGE(D6:D11)	=AVERAGE(E6:E11)	=AVERAGE(F6:F11)	=AVERAGE(G6:G11)	=AVERAGE(H6:H11)
14	T COMM:	=MAX(H6:H11)						
15								
16							MARKUP	
17						2000	0.05	
18						3000	0.1	
19						4000	0.15	
20						5000	0.2	
21						6000	0.25	
22						7000	0.3	
23						8000	0.35	

FORMULAE: A ✓ B ✓ C ✓ D ✓ E ✓ F ✓ G ✓ H ✓

ADJUST COLUMN WIDTHS ✓

PRINT L/SCAPE, WITH ROW AND COLUMN HEADINGS, 1 PAGE ✓✓

3.4



CORRECT CHART TYPE ✓  
PRODUCTION COST/TONNE COLUMN GRAPH CLUSTERED ✓  
SELLING PRICE/TONNE - LINE GRAPH WITH MARKERS ✓

NEW SHEET ✓

PRINT LANDSCAPE, 1 PAGE ✓✓

CORRECT AXIS TITLES ✓✓

CORRECT LEGENDS RIGHT ✓

DATA LABELS ON COLUMNS ✓

(13)  
[68]



**QUESTION 4: WORD**

EXAM NO. ✓

U/C ✓ B ✓ U ✓ ALGERIAN ✓ 16 ✓

QUESTION 4 ✓

**AGRONOMIC CROPS****Types of agronomic crops**LEFT MARGIN  
4 CM/1,58" ✓2 COLUMNS  
✓✓  
LEFT-ALIGN  
✓✓

In South Africa many farmers grow agronomic crops which are produced on a large scale and sold for profit. By producing and selling agronomic crops, farmers and crop growers contribute towards the economy of the country. These are mainly food crops, but other types of agronomic crops are also grown.

South Africa has a large population that must be fed and many people cannot afford expensive food. Therefore, farmers have to produce large quantities of affordable staple foodstuff. Most of the agronomic crops can provide people with basic food.

INSERTED  
BULLETS ✓  
IN CORRECT  
PLACES ✓

- Some of these crops are cereal or grain crops, such as maize, wheat, oats, rye and millet. Some of them are used in the production of products that many people eat every day, for example wheat is used in bread. Maize is used in traditional pap but is also used as an ingredient in many other foods.
- Vegetables such as beans, cabbage, potatoes and butternut are also grown as agronomic crops and are vegetables that many people eat on a daily basis.
- Forage crops such as certain grasses, clover and lucerne also fall under these crops. Forage crops are used as feed for livestock, such as lucerne which is fed to horses and dairy cows.
- Fibre crops such as cotton and flax also fall in this category but are not produced on a large scale, as large quantities of cotton and flax are imported. The fibres are used in the production of textiles and utilised in materials to make clothes.
- There are also oilseed crops in this group, such as soybeans, cotton seed, canola and sunflower seeds and they are processed and used as ingredients in many of the foods we eat. Some are also processed for animal feed.

INSERTED PAGE BREAK ✓, CORRECT PLACE ✓

**Cultivars of agronomic crops**

Agronomic crops such as maize, sunflower, wheat and canola, have different cultivar names that are derived from various sources.

<b>CROP</b>	<b>CULTIVARS</b>
Maize	PAN 623B, PAN 6238R, AFG 4448, MAVERICK
Sunflower	Melody, PAN 7031, Agsun 5261
Wheat	PAN 3118, SST88, Kariega, Komati
Canola	Monty, ATR Hyden, Outback
Soybean	PAN 535R, PAN 660
Grain sorghum	PAN 8609, PAN 8816
Barley	Clipper, Dyan
Lucerne	SA Standard, Meteor, Topaz
Oats	Sederberg, Pallinup, SSH421

INSERTED TABLE ✓  
CORRECT INFO (NO TYPING ERROR) ✓✓✓. FOR EACH ERROR SUBTRACT A MARK, UP TO A MAXIMUM  
OF 3 MARKS  
COLUMN HEADINGS BOLD ✓

PAGE NO. BOTTOM RIGHT ✓  
NO PAGE NO. ON PAGE 1 ✓

**[23]**

**QUESTION 5: DATABASE**

5.1 – 5.2

CORRECT TABLE HEADER ✓✓

GREEN							
NO	VEGETABLE	PLANTING DATE	PRICE	AVAILABLE	EXAM NO	QUESTION 5	Click to A
1	Cabbage	2017/04/06	R 1 200.00	<input checked="" type="checkbox"/>			
2	Carrot	2017/02/02	R 1 750.00	<input checked="" type="checkbox"/>			
3	Tomato	2017/08/07	R 2 455.00	<input checked="" type="checkbox"/>			
4	Rape	2017/04/11	R 1 625.00	<input type="checkbox"/>			
5	Lettuce	2017/05/22	R 1 800.00	<input checked="" type="checkbox"/>			
*	(New)			<input type="checkbox"/>			

CORRECT COLUMN INFO = 7 COLUMNS X 1 MARK = 7 MARKS  
✓✓✓✓✓✓✓

PRINT LANDSCAPE ✓

(10)

5.3

C:\Users\user\Desktop\2018 national EXAM\VEGETABLES.accdb	20 August 2018
Table: GREEN	Page: 1

**Columns**

Name	Type	Size
NO	Long Integer	4
VEGETABLE	Text	20
PLANTING DATE	Date/Time	8
PRICE	Currency	8
AVAILABLE	Yes/No	1
EXAM NO	Long Integer	4
QUESTION 5	Text	10

CORRECT INFO IN COLUMN ✓
CORRECT INFO IN COLUMN ✓
CORRECT INFO IN COLUMN ✓

PORTRAIT ✓
CORRECT INFORMATION ✓

(5)

5.4 – 5.5

EXAM NO. QUESTION 5 REPORT																				
		CORRECT COLUMN HEADINGS ✓																		
SORT IN DESCENDING ACCORDING TO DATE ✓ ✓	<table border="1"> <thead> <tr> <th>PLANTING DATE</th> <th>VEGETABLE NAME</th> <th>PRICE</th> </tr> </thead> <tbody> <tr> <td>2017/08/07</td> <td>Tomato</td> <td>R 2 455.00</td> </tr> <tr> <td>2017/05/22</td> <td>Lettuce</td> <td>R 1 800.00</td> </tr> <tr> <td>2017/04/11</td> <td>Rape</td> <td>R 1 625.00</td> </tr> <tr> <td>2017/02/02</td> <td>Carrot</td> <td>R 1 750.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">AVERAGE</td> <td>R 1 907.50</td> </tr> </tbody> </table>	PLANTING DATE	VEGETABLE NAME	PRICE	2017/08/07	Tomato	R 2 455.00	2017/05/22	Lettuce	R 1 800.00	2017/04/11	Rape	R 1 625.00	2017/02/02	Carrot	R 1 750.00	AVERAGE		R 1 907.50	ONLY THOSE WITH PRICE MORE THAN R1 200 ✓
PLANTING DATE	VEGETABLE NAME	PRICE																		
2017/08/07	Tomato	R 2 455.00																		
2017/05/22	Lettuce	R 1 800.00																		
2017/04/11	Rape	R 1 625.00																		
2017/02/02	Carrot	R 1 750.00																		
AVERAGE		R 1 907.50																		
	TITLE ✓ ✓																			
20 August 2018	PORTRAIT ✓	Page 1 of 1																		

(11)  
[26]

**QUESTION 6: DRAWING**

Drawing of a farm structure with a name, e.g. store room, silo, workshop ✓ ✓  
Use of shapes ✓

[3]

**TOTAL SECTION B: 132**  
**GRAND TOTAL: 200**