



TEAM VAKAVUREA

“Focus on things that are small
enough to change but big
enough to matter”

3rd TEAM EXCELLENCE COMPETITION

Future Farms Pte Limited t/a Rooster Poultry

“Innovations for Higher Productivity”



Winner - Fiji Business Excellence Prize
Fiji Business Excellence Awards 2016



Fiji
**BUSINESS
EXCELLENCE
AWARDS**



Fiji
**BUSINESS
EXCELLENCE
AWARDS**



Quality
ISO 9001



Food Safety
ISO 22000



TEAM MEMBERS



SAIYAD SHAH
Team Manager



JOLAME SEDUADUA
Team Leader



ANJINI PRASAD
Team Facilitator



ASILIKA GEORGINA



SERA MARAWA



KITIONE MINI



TITILIA NAISAU



ESITA TUIWAI



JEFF MATAINADROGA



SALANIETA TUWAI



ILISEVA RAIBE



MISSION

To make a big difference in the simplest of ways

VISION

To enhance the quality of results to better gauge
Performance and Productivity

VALUES

- ❖ Quality
- ❖ Integrity
- ❖ Innovation

- ❖ Team work
- ❖ Resilience
- ❖ Community Engagement



TEAM JOURNEY



EST: April, 2022



**SUCCESS
AHEAD**

In-house Innovation &
Quality Circles Convention
2023 (Silver & Most
Productive Concept Award)

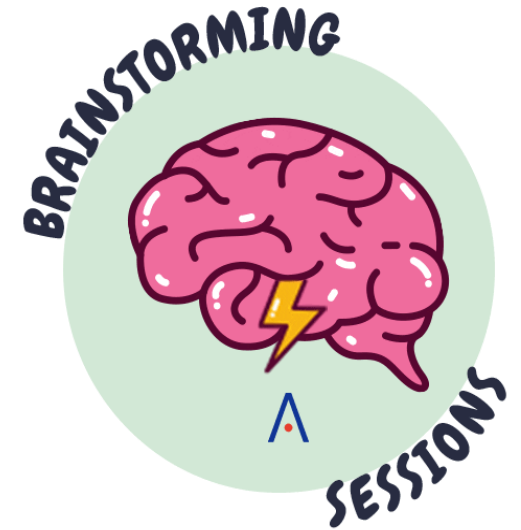


QC TOOLS

DECISION
MATRIX

GANTT CHART

FISH BONE
ANALYSIS



CAUSE &
EFFECT
DIAGRAM

SOLUTION
MATRIX





PROJECT MANAGEMENT STRATEGY



What to do?
How to do it?

How to improve next time?

Do what was planned

Did things happen according to plan??



PLAN STAGE



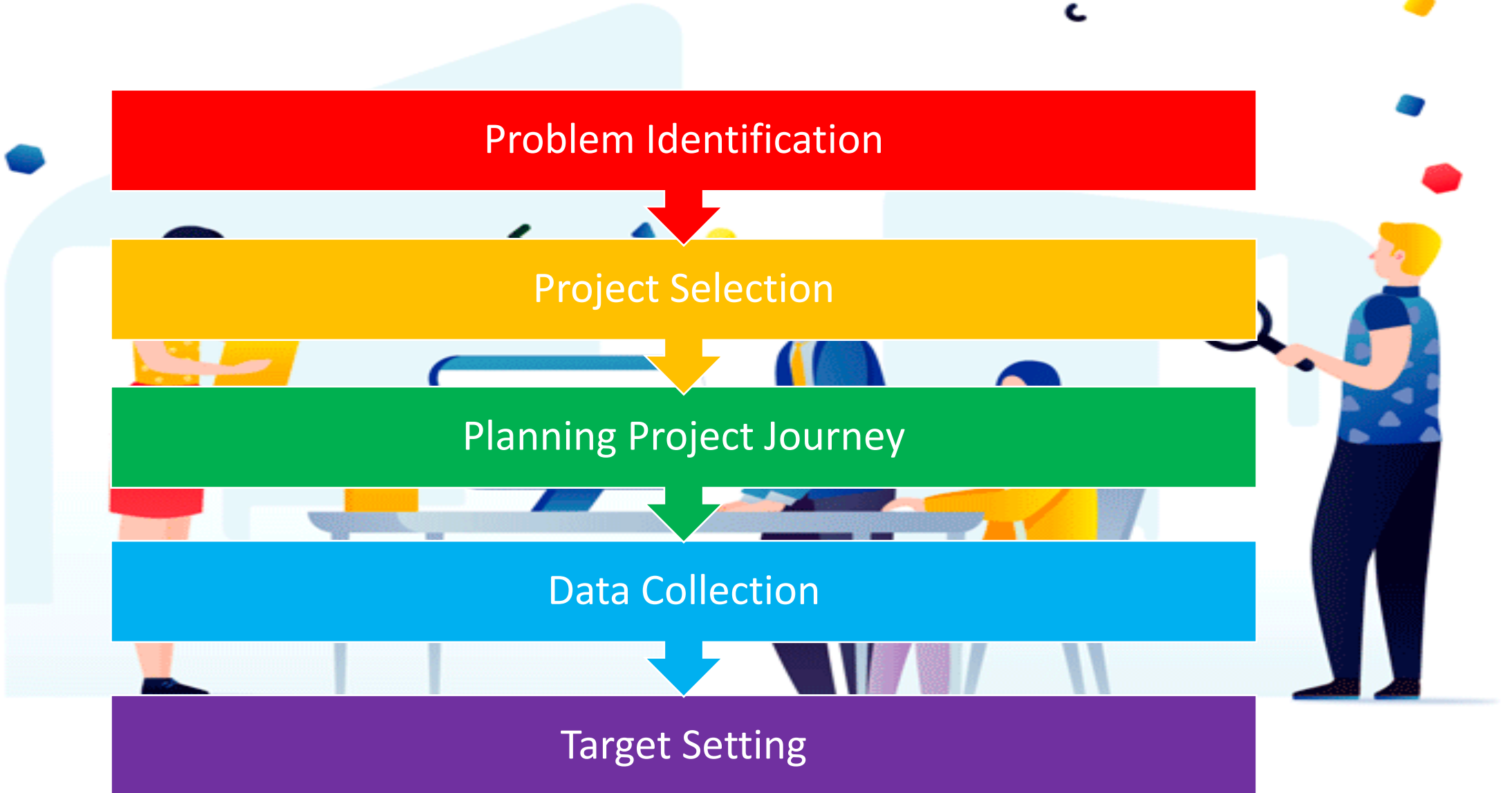
Problem Identification

Project Selection

Planning Project Journey

Data Collection

Target Setting





PROBLEM LIST

Low Plant Yield

Aging Equipment


Staff Competence

High ROC



DECISION MATRIX



PROJECT IDEAS	CRITERIA : SCORES					
	SKILLS AVAILIBILITY	EFFECTIVENESS & EFFICIENCY	EASE OF IMPLEMENTATION	PRACTICALITY & VIABILITY	TOTAL	PROJECT IDEA RANKING
	1	2	3	4		
Improve Plant Yield	4 (4)	4 (8)	4 (12)	4 (16)	40	1 
Upgrade Equipment	3 (3)	3 (6)	2 (6)	3 (12)	27	4
Enhance Staff Competence	3 (3)	4 (8)	3 (9)	4 (16)	36	2
Minimize Customer Complaints	3 (3)	3 (6)	3 (9)	3 (12)	30	3

Rating : 1 –Very low ; 2 –Low ;3-Medium ;4-High ;5- Very high

TOTAL SCORE = PROBLEM RATING AGAINST CRITERIA X WEIGHT OF CRITERIA



PROJECT IDEA

“IMPROVING PLANT YIELD”

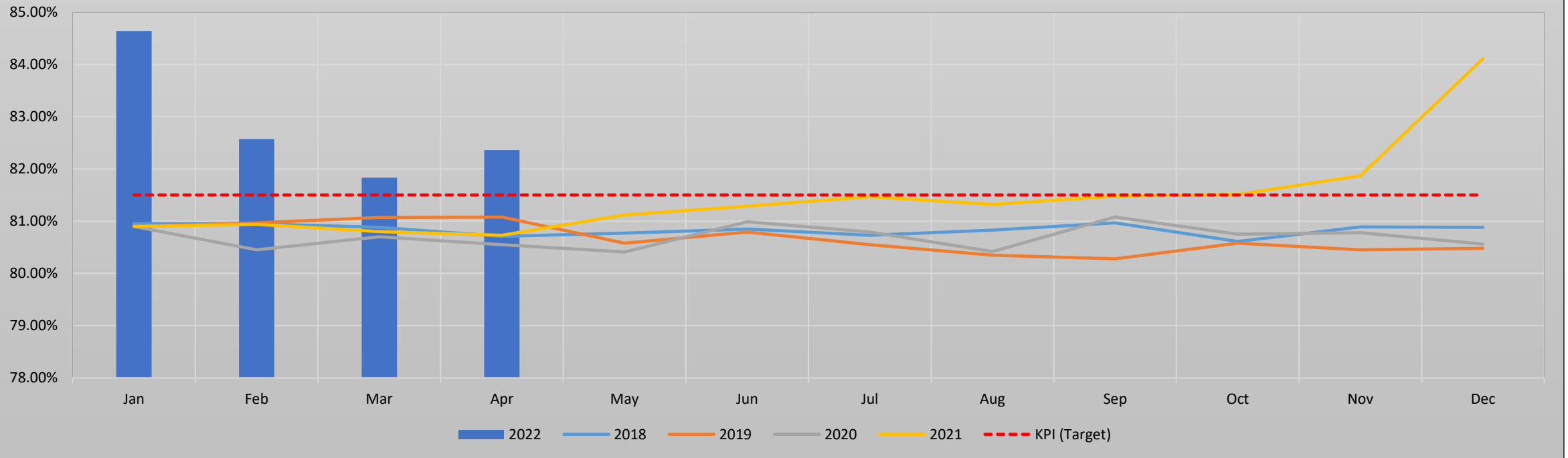
PROJECT JOURNEY						
<div></div> <div>PDCA</div>	Company Name	Future Farms PTE Limited T/A Rooster Poultry				
	Project Year	2022-2023				
	Months	May	June-July	August	September	October 2022- Till Date
	Project Task					
PLAN	Problem Identification					
	Project Selection					
	Data Collection					
	Target Setting					
DO	Implementation of Action Plan					
CHECK	Result Evaluation					
	Comparison					
ACT	Standardisation					
REVIEW & SUSTAINABILITY						



DATA COLLECTION



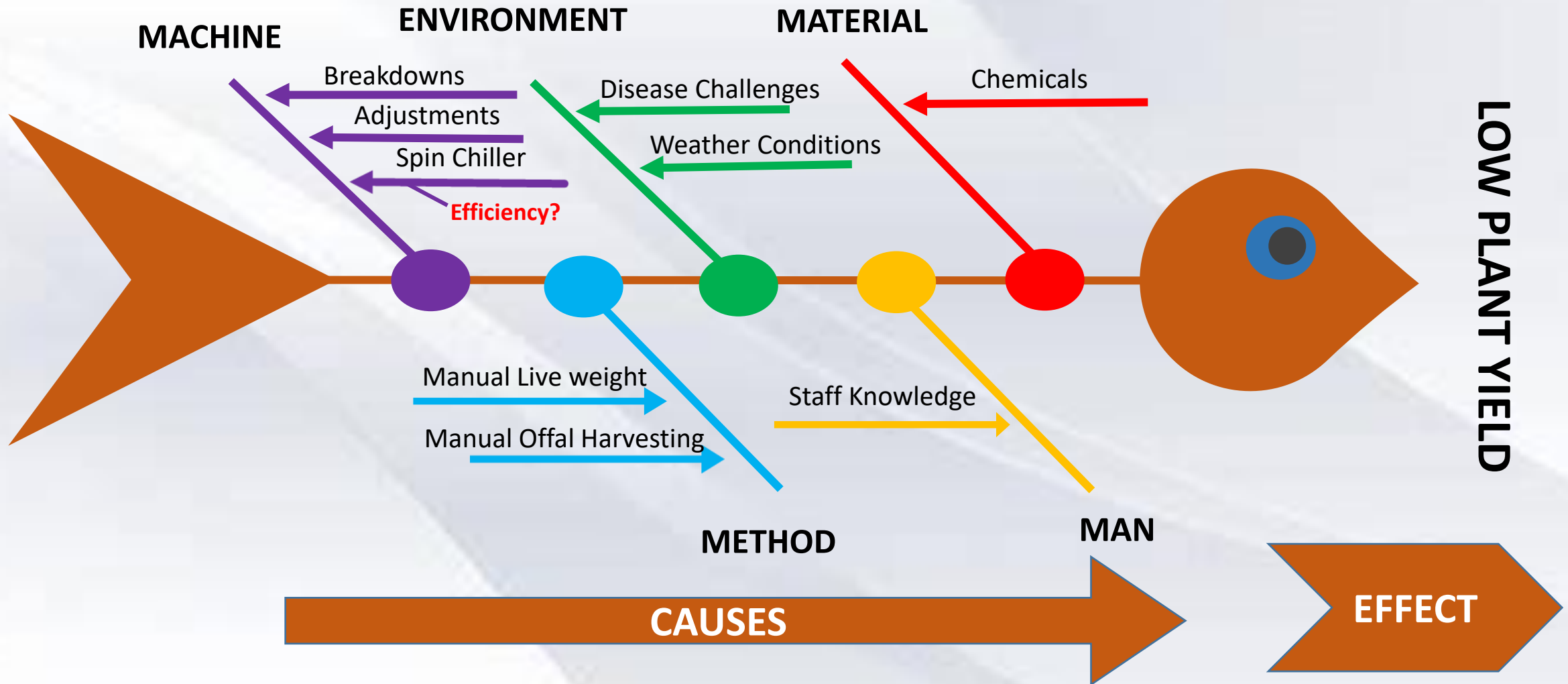
**Average Monthly Plant Yield
(2018- April, 2022)**



AVERAGE YIELD (2018- APRIL, 2022)		KPI (TARGET)	Variance
PLANT YIELD	81.07%	81.50%	-0.43%



FISH BONE ANALYSIS





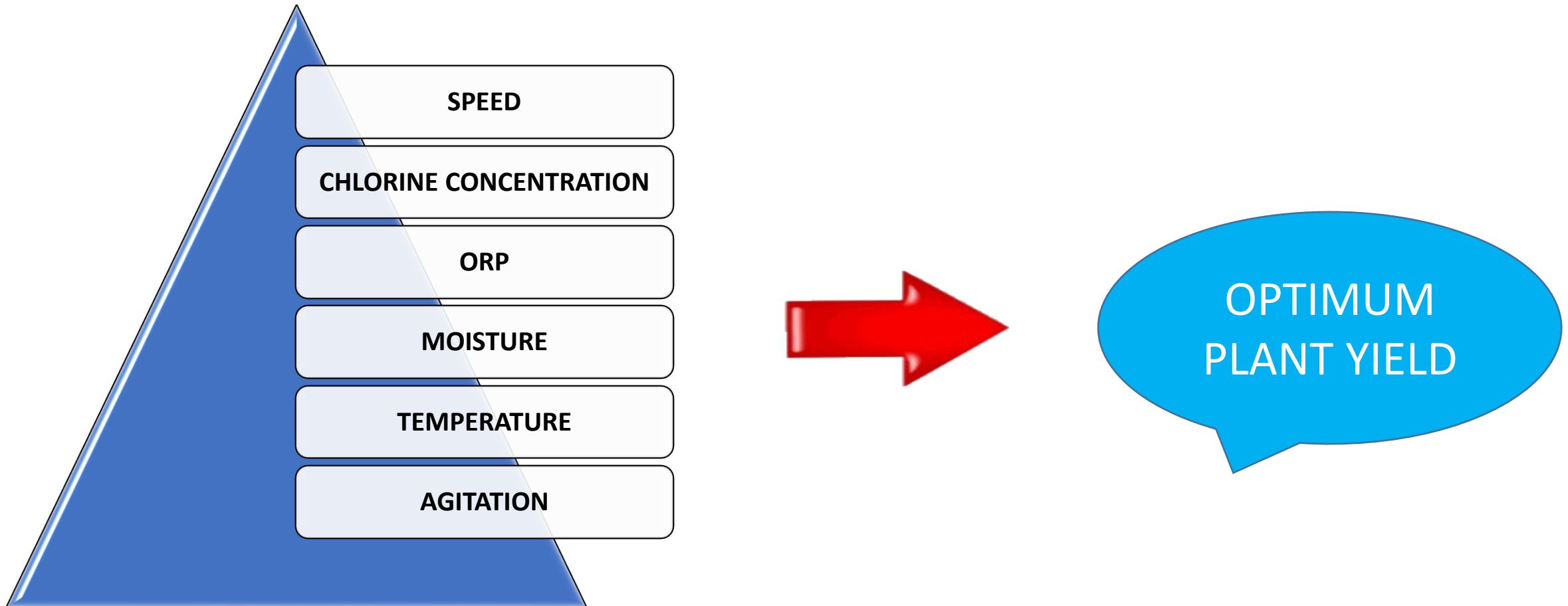
CAUSE AND SOLUTION MATRIX



ANALYSIS TYPE	CAUSES	SOLUTIONS
MATERIAL	❖ Chemicals	✓ Ensure all chemicals used are food grade and used correctly
MAN	❖ Staff Knowledge	✓ Ensure all staff undergo regular training especially new staff
ENVIRONMENT	❖ Disease Challenges ❖ Weather Conditions	✓ Strict Biosecurity Protocol ✓ Early Diagnosis and Treatment ✓ Minimize Wet Birds
METHOD	❖ Manual Live Weight ❖ Manual Offal Harvesting	✓ Automatic Live Weight System ✓ Automatic Offal Harvesting
MACHINE	❖ Breakdowns ❖ Adjustments ❖ Spin Chiller- Efficiency	✓ Upgrade Machines ✓ Good Bird Uniformity ✓ Monitoring



How Does Monitoring The Spin Chiller Contribute To Optimum Plant Yield???







PROJECT TITLE

“Improving Plant Yield By Efficient Chiller Management”



TEAM TARGET

“Improve Plant Yield by 1%”

AVERAGE YIELD (2018- APRIL, 2022)		KPI (TARGET)	Variance
PLANT YIELD	81.07%	81.50%	-0.43%



DO STAGE



- ❖ **Project Execution**
- ❖ **Data Collection**





DO STAGE



- ❖ Approval from Head Of Production
- ❖ Numerous trials and monitoring was done daily at different chiller settings

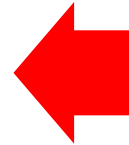
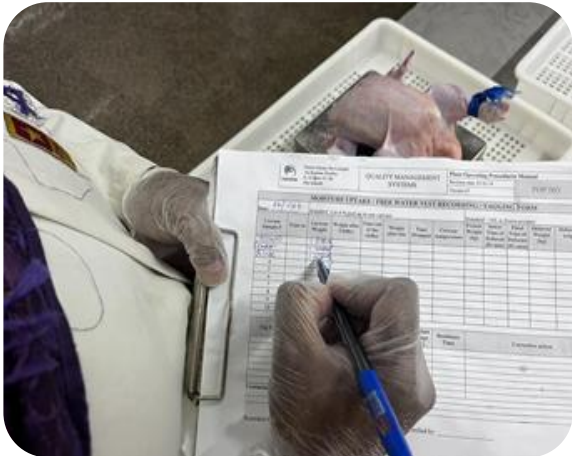
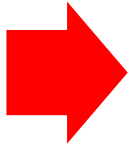
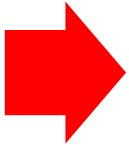
Chiller Settings	Before	After
Speed	Variable	32 RPM
Chlorine Concentration	35 ppm	<5 ppm
ORP	750-800 mV	750-800 mV
Moisture Uptake	4-5%	7-8%
Temperature	<2 °C	<2 °C
Agitation	Variable	At all times

	27/06	28/06	29/06	30/6	01/07
PRIMARY YIELD	81.3%	79.04%			
SECONDARY YIELD (PSY)	85.79%	82.87%			
BIRDS RECEIVED	21,130	20,166	19,890		
DOA RUNTS	23/94 0.10%	14/120 0.07%	23/168 0.12%		
AVERAGE LIVE WEIGHT	2.284	2.218			
AVERAGE DRESSED WEIGHT	1.857	1.758			
MOISTURE PICK UP	7.28%	6.15%	6.86%		
BIRDS PROCESSED	21,812	20,032	19,699		
WEIGH BRIDGE	21,806	20,035			
VARIANCE	-6	(+1)			





CONDUCTING TRIALS





CHECK STAGE

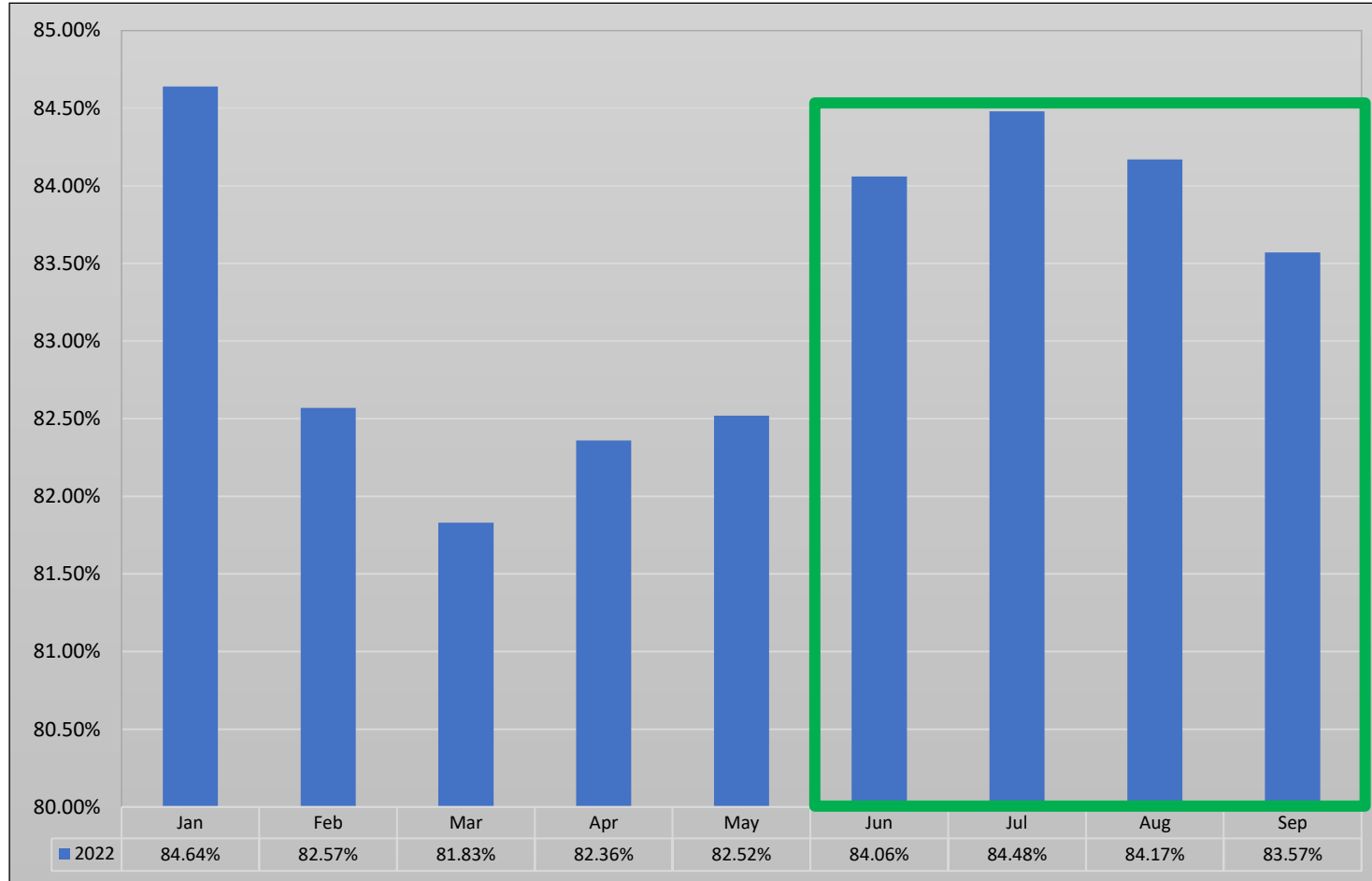


- ❖ **Result Evaluation**
- ❖ **Comparison**





RESULTS (June-September 2022)

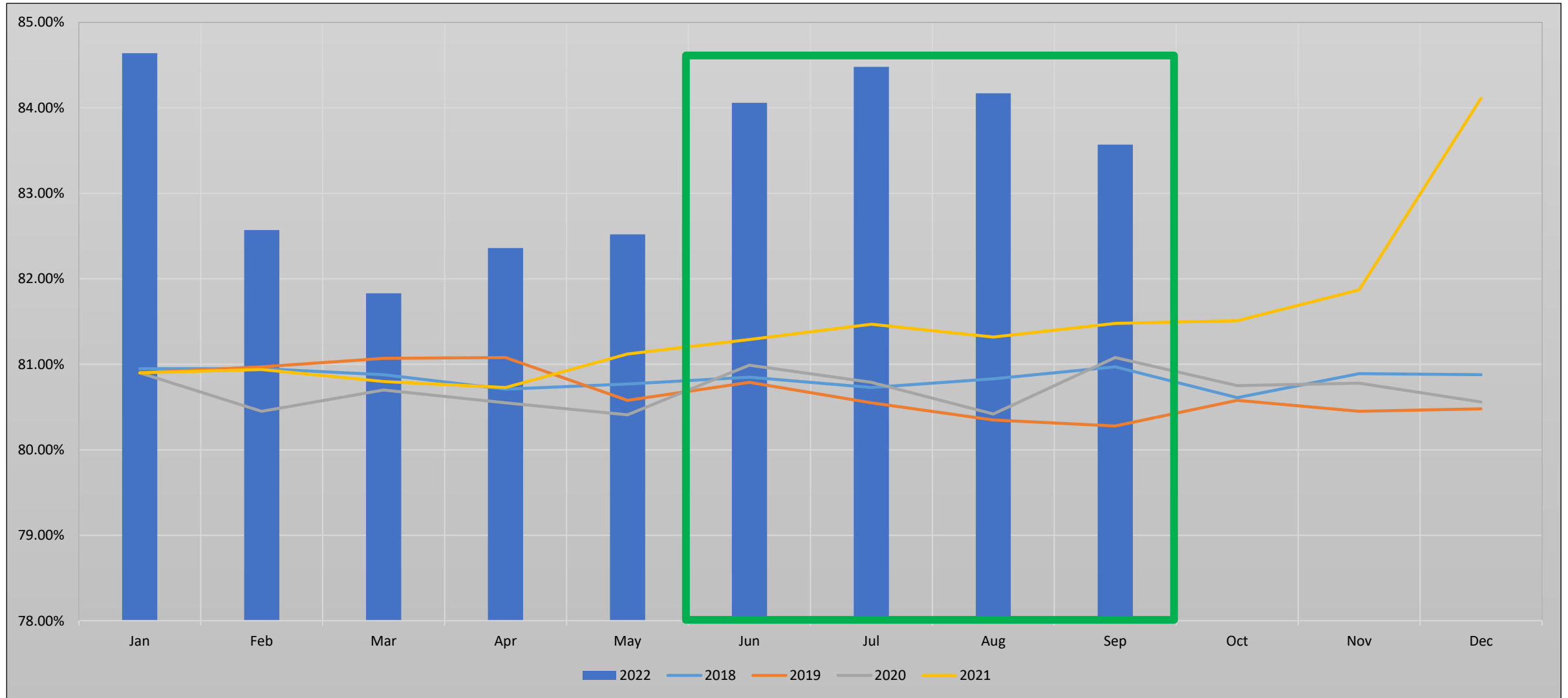


Month	Plant Yield (%)
January	84.64
February	82.57
March	81.83
April	82.36
May	82.52
June	84.06
July	84.48
August	84.17
September	83.57

After Project Implementation (Jun- Sep), Plant Yield has increased by 1.29%



RESULTS (2018-September 2022)





RESULTS (2021 VS 2022)

2021	2022
81.12%	83.36%

A 2.24% increase was noted when compared to the same period in
2021



RESULTS (2021 VS 2022)

Portions	
2021	2022
10.89%	13.75%

An increase in yield noted despite an increase in Portions



RESULTS

YEAR	REVENUE	NPAT	PLANT YIELD %
2022	56.5	9.953	83.46
2021	44.26	8.20	81.46
2020	46.89	8.30	80.70
2019	47.01	3.10	80.67
2018	49.89	8.05	80.84
2017	41.05	7.21	81.27



TANGIBLE RESULTS

	Before Trial (Jan- May)	After Trial (Jun- Sep)
Plant Yield	82.78%	84.07%
Yield Gain	1.29%	
Capital Productivity Monetary Value (1% Yield: \$119,340.52 Net Profit)	\$153,949.27	



TANGIBLE RESULTS

	2021	2022
Plant Yield	81.46%	83.46%
Yield Gain	2%	
Capital Productivity Monetary Value (1% Yield: \$119,340.52 Net Profit)	\$238,681.04	



INTANGIBLE RESULTS



- ✓ Creativity
- ✓ Passion
- ✓ Collaboration
- ✓ Persistence



People Productivity & Innovation



ACT STAGE



	Future Farms Pte Limited t/a Rooster Poultry P. O. Box 47, Es Fiji Islands	QUALITY MANAGEMENT SYSTEMS	Plant Operating Procedures Manual Revision Date: 07.07.22 Owner of Document: Production
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11.0 Quality Objectives and Critical Limits

Quality Objectives	FREQUENCY	TEST	Standards / Critical Limits
Customer Complaint	Monthly	(12 months Justified complaints received/Total Tonnage) x 10 ⁴	≤ ROC
GMP	Weekly	Sanitation / House keeping Product Protection Personal Hygiene Facilities Pest control Equipment Maintenance Building / Storage	≥ 85 % ≥ 85 % ≥ 85 % ≥ 85 % ≥ 85 % ≥ 85 %
Microbiological Conformance	Monthly / BI + Monthly	Carcass Validation Water Validation Factory Hygiene Vehicle Hygiene Waste water Validation	≥ 100% ≥ 85 % ≥ 85 % ≥ 85 % ≥ 85 %
Correction Actions	Monthly	Fix - It's and Corrective Actions taken	≥ 95 %
Acceptable Quality Level	Daily	Whole Birds Portions Cuts	≥ 95 % ≥ 95 % ≥ 95 %
Water/ice quality	Daily	Outflows	N/A
Spin Chiller effectiveness	At changes to system	TPC of product before & after	≤ 1.0 x 10 ³
Plant Assessments	Daily	Protein Swabbing (Min 5 - Max 5)	100%
Chlorination level	Daily	Procker In/out washer Herd / Fect washing / storage Liver / Heart / Gizzard / grading washing Spin Chiller ORP	≥ 35 ppm ≥ 35 ppm ≥ 35 ppm ≥ 35 ppm ≤ 5 ppm ≥ 650mv
Temperature Limits	Daily	Drinking water Feeding room Spin chilled water Deep muscle of products at tagging Deep muscle at exit of spin chiller Hot water supply Blast Freezer Warehouse Storage Delivery Vehicles Fresh Delivery Vehicles Frozen	≤ 15°C ≤ 2°C ≤ 4°C ≤ 4°C ≥ 82°C ≤ -18°C ≤ -18°C ≤ -1°C ≤ -10°C
Moisture Content	Daily	Carcass after spin chiller	≤ 8%
Moisture Content	Weekly	Carcass after Blast Freezing	≤ 6%
Nutritional Levels of Final Product	As per mandatory changes	Crude Fat Total Fat Sugars Sodium Protein Carbohydrates	≥ 855 g / 100g ≤ 14.3g / 100g ≤ 0.1g / 100g ≤ 68.1mg / 100g ≤ 16.3g / 100g ≤ 1.7g / 100g

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POP Version 1.1

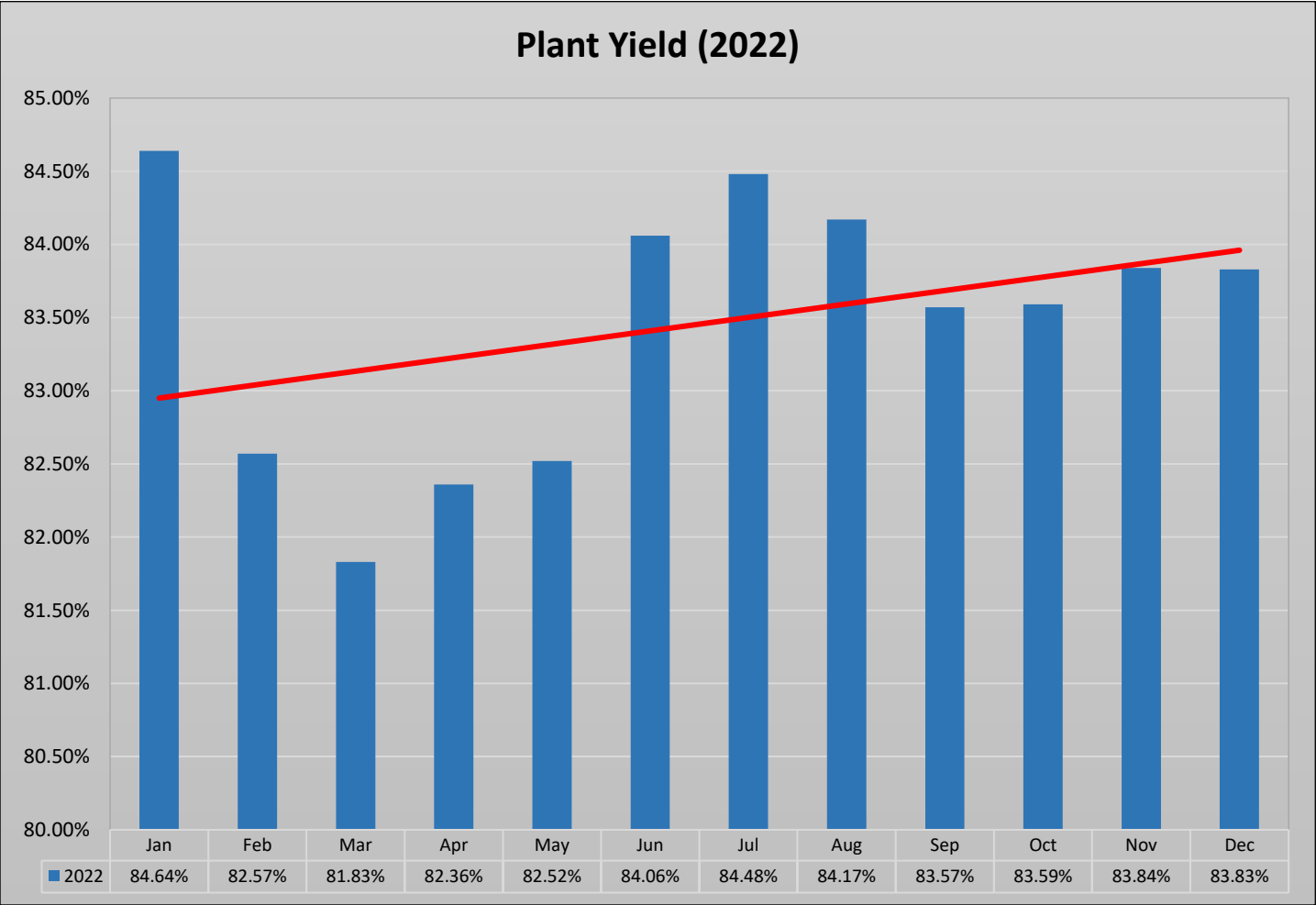
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Authorized by: Head of Production

Staff were advised and trained accordingly



REVIEW & SUSTAINABILITY

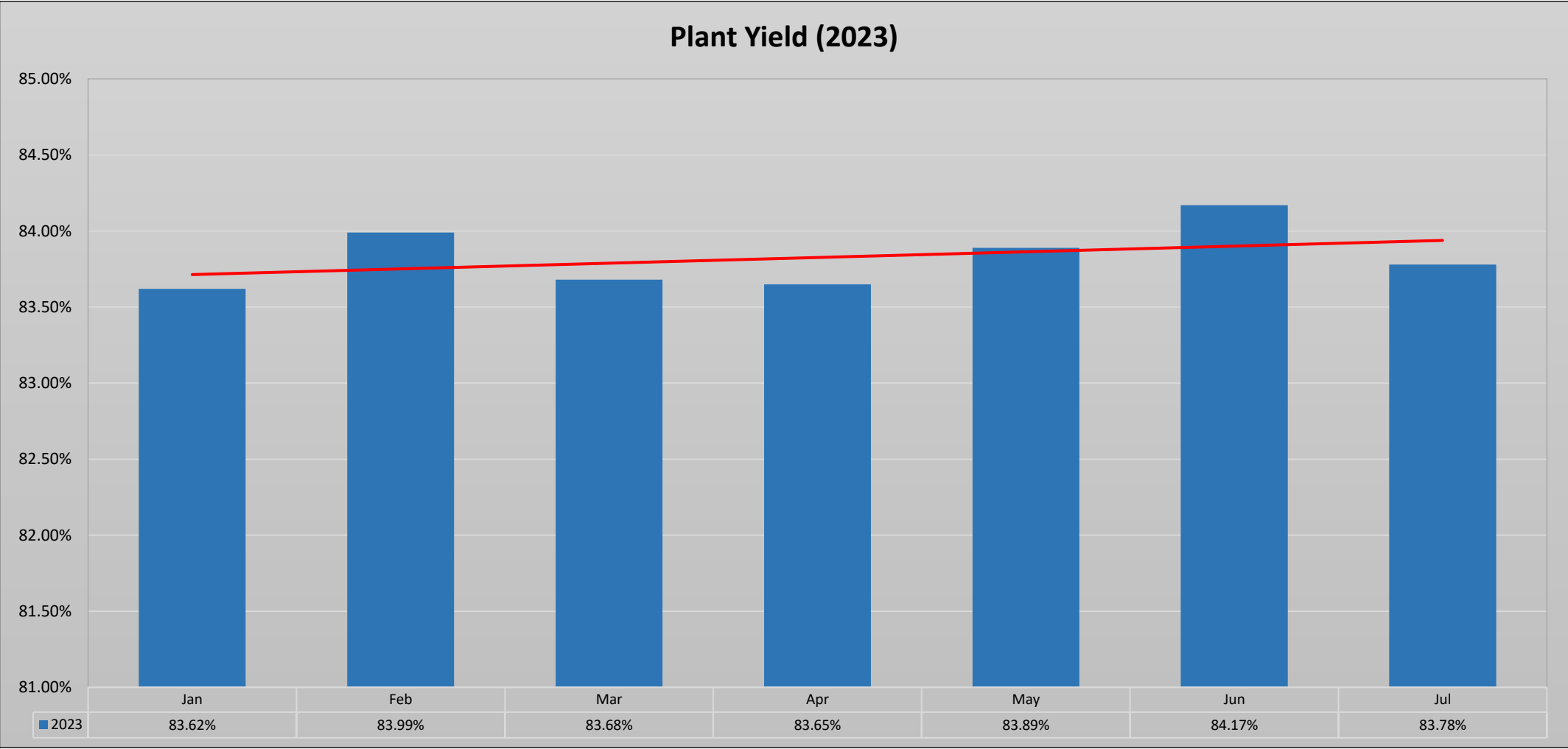


Target Set	Result Achieved
1%	1.29%






REVIEW & SUSTAINABILITY





NEXT PROJECT...

PROJECT IDEAS	PROJECT IDEA RANKING	
Improve Plant Yield	1	
Upgrade Equipment	4	
Enhance Staff Competence	2	
Minimize Customer Complaints	3	



TEAM VAKAVUREA

Corporate Social Responsibility

TEAM VAKAVUREA

THANK YOU

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Winner - Fiji Business Excellence Prize
Fiji Business Excellence Awards 2016



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