

# PMR Operational Report

|                             |                             |   |          |
|-----------------------------|-----------------------------|---|----------|
| <b>Operation Number</b>     | SU-L1020                    | <b>Chief of Operations Validation Date</b>    | 04/11/19 |
| <b>Year- PMR Cycle</b>      | Second period Jan-Dec 2018  | <b>Division Chief Validation Date</b>         | 05/01/19 |
| <b>Last Update</b>          | 04/11/19                    | <b>Country Representative Validation Date</b> | 05/14/19 |
| <b>PMR Validation Stage</b> | Validated by Representative |   |          |

## Basic Data

### Operation Profile

|                           |   |   |  |
|---------------------------|---|---|--|
| <b>Operation Name</b>     | Agricultural Competitiveness Program                      | <b>Loan Number</b>                      | 4097/OC-SU   |
| <b>Executing Agency</b>   | MINISTRY OF AGRICULTURE HUSBANDRY, FISHERIES AND FORESTRY | <b>Sector/Subsector</b>                 | AG-SAN - AGRICULTURE AND RURAL DEVELOPMENT-AGRICULTURAL HEALTH AND FOOD SAFETY |
| <b>Team Leader</b>        | COLLINS, MICHAEL I.                                       | <b>Overall Stage</b>                    | Disbursing (From eligibility until all the Operations are closed)              |
| <b>Operation Type</b>     | Loan Operation  | <b>Country</b>                          | SURINAME   |
| <b>Lending Instrument</b> | Investment Loan   | <b>Convergence related Operation(s)</b> |  |
| <b>Borrower</b>           | REPUBLIC OF SURINAME                                      |   |  |

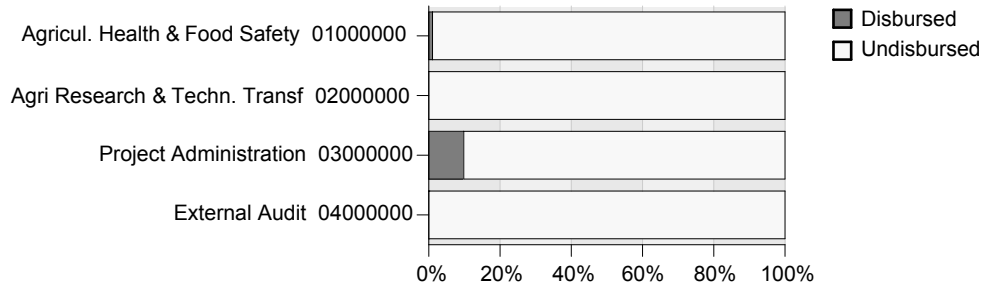
## Environmental and Social Safeguards

|   |   |  |    |
|---|---|--|----|
| <b>Impacts Category</b>                         | B | <b>Was/Were the objective(s) of this operation reformulated?</b> | NO |
| <b>Safeguard Performance Rating</b>             |   | <b>Date of approval</b>  |    |
| <b>Safeguard Performance Rating - Rationale</b> |   |  |    |

## Financial Data

| Item              | Total Cost and Source |                   |                   |                        |                     | Available Funds (US\$) |                      |              |                    |
|-------------------|-----------------------|-------------------|-------------------|------------------------|---------------------|------------------------|----------------------|--------------|--------------------|
|                   | Original IDB          | Current IDB       | Local Counterpart | Co-Financing / Country | Total Original Cost | Current IDB            | Disb. Amount to Date | % Disb       | Undisbursed Amount |
| SU-L1020          | 17,500,000            | 17,500,000        | 0                 | 0                      | 17,500,000          | 17,500,000             | 1,150,000            | 6.57%        | 16,350,000         |
| <b>Aggregated</b> | <b>17,500,000</b>     | <b>17,500,000</b> | <b>0</b>          | <b>0</b>               | <b>17,500,000</b>   | <b>17,500,000</b>      | <b>1,150,000</b>     | <b>6.57%</b> | <b>16,350,000</b>  |

## Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 0:** Increase in agricultural revenue

**Observation:** The baseline corresponds to a representative group of open field vegetables that will be targeted by the program. The baseline will be re-estimated when the impact evaluation's baseline data is collected using farmers' surveys. The target refers to program beneficiaries.

| Indicator   |  | Unit of Measure | Baseline  | Baseline Year |      | 2022      | EOP 2022  |
|---|--|-----------------|-----------|---------------|------|-----------|-----------|
| 0.0   | Value of production per hectare of open field vegetables | SRD             | 69,336.00 | 2014          | P    | 77,906.00 | 77,906.00 |
|   |  |                 |           |               | P(a) | 77,906.00 | 77,906.00 |
|   |  |                 |           |               | A    |           |           |
| Details   |  |                 |           |               |      |           |           |
| Means of verification: Impact evaluation and LVV reports. |  |                 |           |               |      |           |           |
| Pro-Gender  |  | No              |           | Pro-Ethnicity |      | No        |           |

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 1:** Increase in agricultural productivity

**Observation:**

| Indicator |                          | Unit of Measure | Baseline | Baseline Year |      | 2022  | EOP 2022 |
|-----------|--------------------------|-----------------|----------|---------------|------|-------|----------|
| 1.0       | Yields of long yard bean | tons/ha         | 14.00    | 2014          | P    | 16.10 | 16.10    |
|           |                          |                 |          |               | P(a) | 16.10 | 16.10    |
|           |                          |                 |          |               | A    |       |          |

#### Details

**Means of verification:** Impact evaluation and LVV reports.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |                   | Unit of Measure | Baseline | Baseline Year |      | 2022  | EOP 2022 |
|-----------|-------------------|-----------------|----------|---------------|------|-------|----------|
| 1.1       | Yields of oranges | Tons/ha         | 13.20    | 2014          | P    | 15.20 | 15.20    |
|           |                   |                 |          |               | P(a) | 15.20 | 15.20    |
|           |                   |                 |          |               | A    |       |          |

#### Details

**Means of verification:** Impact evaluation and LVV reports.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |                        | Unit of Measure | Baseline | Baseline Year |      | 2022  | EOP 2022 |
|-----------|------------------------|-----------------|----------|---------------|------|-------|----------|
| 1.2       | Yields of passionfruit | Tons/ha         | 15.40    | 2014          | P    | 17.70 | 17.70    |
|           |                        |                 |          |               | P(a) | 17.70 | 17.70    |
|           |                        |                 |          |               | A    |       |          |

#### Details

**Means of verification:** Impact evaluation and LVV reports.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |                | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|----------------|-----------------|----------|---------------|------|------|----------|
| 1.3       | Yields of rice | Tons/ha         | 4.40     | 2014          | P    | 4.60 | 4.60     |
|           |                |                 |          |               | P(a) | 4.60 | 4.60     |
|           |                |                 |          |               | A    |      |          |

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

| Details   |                                    |                 |               |               |      |       |          |
|---|------------------------------------|-----------------|---------------|---------------|------|-------|----------|
| Means of verification: Impact evaluation and LVV reports. |                                    |                 |               |               |      |       |          |
| Pro-Gender  |                                    | No              | Pro-Ethnicity |               | No   |       |          |
| Indicator   |                                    | Unit of Measure | Baseline      | Baseline Year |      | 2022  | EOP 2022 |
| 1.4   | Average weight of slaughtered pigs | Kgs             | 71.50         | 2014          | P    | 78.70 | 78.70    |
|   |                                    |                 |               |               | P(a) | 78.70 | 78.70    |
|   |                                    |                 |               |               | A    |       |          |
| Details   |                                    |                 |               |               |      |       |          |
| Means of verification: Impact evaluation and LVV reports. |                                    |                 |               |               |      |       |          |
| Pro-Gender  |                                    | No              | Pro-Ethnicity |               | No   |       |          |

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 2:** Increase in agricultural exports

**Observation:**

| Indicator |                          | Unit of Measure | Baseline   | Baseline Year |      | 2022       | EOP 2022   |
|-----------|--------------------------|-----------------|------------|---------------|------|------------|------------|
| 2.0       | Quantity of rice exports | Tons            | 103,755.00 | 2014          | P    | 114,131.00 | 114,131.00 |
|           |                          |                 |            |               | P(a) | 114,131.00 | 114,131.00 |
|           |                          |                 |            |               | A    |            |            |

#### Details

**Means of verification:** LVV reports (Agricultural Statistics).

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |                            | Unit of Measure | Baseline  | Baseline Year |      | 2022      | EOP 2022  |
|-----------|----------------------------|-----------------|-----------|---------------|------|-----------|-----------|
| 2.1       | Quantity of banana exports | Tons            | 75,261.00 | 2014          | P    | 82,787.00 | 82,787.00 |
|           |                            |                 |           |               | P(a) | 82,787.00 | 82,787.00 |
|           |                            |                 |           |               | A    |           |           |

#### Details

**Means of verification:** LVV reports (Agricultural Statistics).

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |                               | Unit of Measure | Baseline | Baseline Year |      | 2022     | EOP 2022 |
|-----------|-------------------------------|-----------------|----------|---------------|------|----------|----------|
| 2.2       | Quantity of vegetable exports | Tons            | 4,746.00 | 2014          | P    | 5,221.00 | 5,221.00 |
|           |                               |                 |          |               | P(a) | 5,221.00 | 5,221.00 |
|           |                               |                 |          |               | A    |          |          |

#### Details

**Means of verification:** LVV reports (Agricultural Statistics).

**Pro-Gender** No **Pro-Ethnicity** No

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 3:** Increase in competitiveness

**Observation:** Baseline reflects the average position Suriname obtained in the ranking, out of 178 countries. Baseline is average of 2011-2015

| Indicator   |  | Unit of Measure | Baseline      | Baseline Year |      | 2022  | EOP 2022 |
|---|--|-----------------|---------------|---------------|------|-------|----------|
| 3.0   | Position in the International Trade Centre's General Index Ranking of Export Performance in fresh food | Rank            | 98.00         | 2013          | P    | 65.00 | 65.00    |
|   |  |                 |               |               | P(a) | 65.00 | 65.00    |
|   |  |                 |               |               | A    |       |          |
| Details   |  |                 |               |               |      |       |          |
| Means of verification: Report of International Trade Centre |  |                 |               |               |      |       |          |
| Pro-Gender  |  | No              | Pro-Ethnicity |               | No   |       |          |

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Outcome Nbr. 0:** Improved use of natural capital

**Observation:**

| Indicator  |   | Unit of Measure   | Baseline      | Baseline Year |      | 2022      | EOP 2022  |
|--|---|-------------------|---------------|---------------|------|-----------|-----------|
| 0.0  | Number of beneficiaries of improved management and sustainable use of natural capital | Beneficiaries (#) | 0.00          | 2016          | P    | 15,370.00 | 15,370.00 |
|  |   |                   |               |               | P(a) | 15,370.00 | 15,370.00 |
|  |   |                   |               |               | A    |           |           |
| Details  |   |                   |               |               |      |           |           |
| Means of verification: Records of beneficiaries of LVV services. Ex post evaluation. |   |                   |               |               |      |           |           |
| Pro-Gender   |   | No                | Pro-Ethnicity |               | No   |           |           |
|  | Women   |                   |               |               | P    | 3,074.00  | 3,074.00  |
|  |   |                   |               |               | P(a) | 3,074.00  | 3,074.00  |
|  |   |                   |               |               | A    |           |           |
|  | Men   |                   |               |               | P    | 12,296.00 | 12,296.00 |
|  |   |                   |               |               | P(a) | 12,296.00 | 12,296.00 |
|  |   |                   |               |               | A    |           |           |

**Outcome Nbr. 1:** Increase in export ability

**Observation:**

| Indicator                        |                            | Unit of Measure | Baseline      | Baseline Year |      | 2022  | EOP 2022 |
|----------------------------------|----------------------------|-----------------|---------------|---------------|------|-------|----------|
| 1.0                              | Number of exporting firms. | Firms           | 9.00          | 2016          | P    | 15.00 | 15.00    |
|                                  |                            |                 |               |               | P(a) | 15.00 | 15.00    |
|                                  |                            |                 |               |               | A    |       |          |
| Details                          |                            |                 |               |               |      |       |          |
| Means of verification: LVV data. |                            |                 |               |               |      |       |          |
| Pro-Gender                       |                            | No              | Pro-Ethnicity |               | No   |       |          |

**Outcome Nbr. 2:** Improved provision of plant health services

**Observation:**

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|--|-----------------|----------|---------------|------|------|----------|
| 2.0       | Percentage of annual notifications of exported crops due to noncompliance with plant health requirements | %               | 7.00     | 2014          | P    | 3.50 | 3.50     |
|           |  |                 |          |               | P(a) | 3.50 | 3.50     |

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### RESULTS MATRIX

#### OUTCOMES

|  |  |                 |          |               |               |       |          |
|--|--|-----------------|----------|---------------|---------------|-------|----------|
| 2.0  | Percentage of annual notifications of exported crops due to noncompliance with plant health requirements | %               | 7.00     | 2014          | A             |       |          |
| Details  |  |                 |          |               |               |       |          |
| Means of verification: Europhyt database and data provided by the Netherlands Food and Consumer Product Safety Authority (NVWA). |  |                 |          |               |               |       |          |
| Pro-Gender   |  | No              |          |               | Pro-Ethnicity |       | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | 2022  | EOP 2022 |
| 2.1  | Average score PVS (Performance Vision and Strategy) developed by IICA                                    | %               | 28.60    | 2013          | P             | 43.20 | 43.20    |
|  |  |                 |          |               | P(a)          | 43.20 | 43.20    |
|  |  |                 |          |               | A             |       |          |
| Details  |  |                 |          |               |               |       |          |
| Means of verification: IICA independent evaluation   |  |                 |          |               |               |       |          |
| Pro-Gender   |  | No              |          |               | Pro-Ethnicity |       | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | 2022  | EOP 2022 |
| 2.2  | Achievement of Area of Low Pest Prevalence (ALPP) of Carambola Fruit Fly in orange producing area        | ALPP            | 0.00     | 2016          | P             | 1.00  | 1.00     |
|  |  |                 |          |               | P(a)          | 1.00  | 1.00     |
|  |  |                 |          |               | A             |       |          |
| Details  |  |                 |          |               |               |       |          |
| Means of verification: LVV Fruit Fly report.   |  |                 |          |               |               |       |          |
| Pro-Gender   |  | No              |          |               | Pro-Ethnicity |       | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | 2022  | EOP 2022 |
| 2.3  | Masters of Science (MSc) degrees obtained by Plant Health Services employees                             | degrees         | 0.00     | 2016          | P             | 6.00  | 6.00     |
|  |  |                 |          |               | P(a)          | 6.00  | 6.00     |
|  |  |                 |          |               | A             |       |          |
| Details  |  |                 |          |               |               |       |          |
| Means of verification: MSc Diplomas  |  |                 |          |               |               |       |          |
| Pro-Gender   |  | No              |          |               | Pro-Ethnicity |       | No       |
|  | Women  |                 |          |               |               | P     | 2.00     |
|  |  |                 |          |               |               | P(a)  | 2.00     |



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### RESULTS MATRIX

#### OUTCOMES

|  |       |  |  |  |      |      |      |
|--|-------|--|--|--|------|------|------|
|  | Women |  |  |  | A    |      |      |
|  | Men   |  |  |  | P    | 4.00 | 4.00 |
|  |       |  |  |  | P(a) | 4.00 | 4.00 |
|  |       |  |  |  | A    |      |      |

**Outcome Nbr. 3:** Improved provision of animal health services

**Observation:**

| Indicator |                                    | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|------------------------------------|-----------------|----------|---------------|------|------|----------|
| 3.0       | Average score PVS developed by OIE | Score           | 1.72     | 2012          | P    | 2.75 | 2.75     |
|           |                                    |                 |          |               | P(a) | 2.75 | 2.75     |
|           |                                    |                 |          |               | A    |      |          |

#### Details

**Means of verification:** OIE PVS evaluation.

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|-----------------|----------|---------------|------|------|----------|
| 3.1       | OIE Disease Free Status recognition for 3 diseases achieved | Recognitions    | 0.00     | 2016          | P    | 3.00 | 3.00     |
|           |   |                 |          |               | P(a) | 3.00 | 3.00     |
|           |   |                 |          |               | A    |      |          |

#### Details

**Means of verification:** OIE Certificate

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |  | Unit of Measure   | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|--|-------------------|----------|---------------|------|------|----------|
| 3.2       | Self-Declaration to OIE of Disease Free for Tuberculosis and Brucellosis | Self declarations | 0.00     | 2016          | P    | 2.00 | 2.00     |
|           |  |                   |          |               | P(a) | 2.00 | 2.00     |
|           |  |                   |          |               | A    |      |          |

#### Details

**Means of verification:** OIE website

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |  | Unit of Measure | Baseline | Baseline Year |  | 2022 | EOP 2022 |
|-----------|--|-----------------|----------|---------------|--|------|----------|
|-----------|--|-----------------|----------|---------------|--|------|----------|

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

|     |   |     |      |      |      |      |      |
|-----|---|-----|------|------|------|------|------|
| 3.3 | Accreditation of the Animal Health Laboratory (ISO 17025) | lab | 0.00 | 2016 | P    | 1.00 | 1.00 |
|     |   |     |      |      | P(a) | 1.00 | 1.00 |
|     |   |     |      |      | A    |      |      |

#### Details

**Means of verification:** ISO Accreditation certificate

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|-----------------|----------|---------------|------|------|----------|
| 3.4       | Online Master's degrees obtained by Head of Units | diplomas        | 0.00     | 2016          | P    | 4.00 | 4.00     |
|           |   |                 |          |               | P(a) | 4.00 | 4.00     |
|           |   |                 |          |               | A    |      |          |

#### Details

**Means of verification:** Diplomas

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

|  |       |  |  |  |      |      |      |
|--|-------|--|--|--|------|------|------|
|  | Women |  |  |  | P    | 1.00 | 1.00 |
|  |       |  |  |  | P(a) | 1.00 | 1.00 |
|  |       |  |  |  | A    |      |      |
|  | Men   |  |  |  | P    | 3.00 | 3.00 |
|  |       |  |  |  | P(a) | 3.00 | 3.00 |
|  |       |  |  |  | A    |      |      |

**Outcome Nbr. 4:** Improved provision of food safety services

**Observation:**

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2022  | EOP 2022 |
|-----------|---|-----------------|----------|---------------|------|-------|----------|
| 4.0       | Percentage of annual rejections of exported food products to the Netherlands due to noncompliance with Maximum Residue Levels (MRL) | %               | 20.00    | 2014          | P    | 10.00 | 10.00    |
|           |   |                 |          |               | P(a) | 10.00 | 10.00    |
|           |   |                 |          |               | A    |       |          |

#### Details

**Means of verification:** Independent final evaluation

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of | Baseline | Baseline |  | 2022 | EOP 2022 |
|-----------|---------|----------|----------|--|------|----------|
|-----------|---------|----------|----------|--|------|----------|

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### RESULTS MATRIX

#### OUTCOMES

|     |  | Measure |      | Year |      |        |        |
|-----|--|---------|------|------|------|--------|--------|
| 4.1 | Number of farmers adopting Good Agricultural Practices (GAP) (male headed/female headed) | Farmers | 0.00 | 2016 | P    | 275.00 | 275.00 |
|     |  |         |      |      | P(a) | 275.00 | 275.00 |
|     |  |         |      |      | A    |        |        |

#### Details

Means of verification: LVV reports

|            |    |               |    |
|------------|----|---------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|------------|----|---------------|----|

|  |                          |  |  |  |      |        |        |
|--|--------------------------|--|--|--|------|--------|--------|
|  | Female head of household |  |  |  | P    | 75.00  | 75.00  |
|  |                          |  |  |  | P(a) | 75.00  | 75.00  |
|  |                          |  |  |  | A    |        |        |
|  | Male head of household   |  |  |  | P    | 200.00 | 200.00 |
|  |                          |  |  |  | P(a) | 200.00 | 200.00 |
|  |                          |  |  |  | A    |        |        |

| Indicator | Unit of Measure   | Baseline   | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|------------|---------------|------|------|----------|
| 4.2       | Number of primary processors approved by LVV for their compliance with the Hygiene Code | Processors | 0.00          | 2016 | P    | 84.00    |
|           |   |            |               |      | P(a) | 84.00    |
|           |   |            |               |      | A    |          |

#### Details

Means of verification: LVV reports

|            |    |               |    |
|------------|----|---------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|------------|----|---------------|----|

| Indicator | Unit of Measure                               | Baseline       | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|----------------|---------------|------|------|----------|
| 4.3       | Accreditation of inspection units (ISO 17020) | Accreditations | 0.00          | 2016 | P    | 2.00     |
|           |   |                |               |      | P(a) | 2.00     |
|           |   |                |               |      | A    |          |

#### Details

Means of verification: Accreditation certificates

|            |    |               |    |
|------------|----|---------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|------------|----|---------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year |  | 2022 | EOP 2022 |
|-----------|-----------------|----------|---------------|--|------|----------|
|-----------|-----------------|----------|---------------|--|------|----------|

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

|     |   |               |      |      |      |      |      |
|-----|---|---------------|------|------|------|------|------|
| 4.4 | Accreditation of the Food Safety Laboratory (ISO 17025) | Methodologies | 0.00 | 2016 | P    | 3.00 | 3.00 |
|     |   |               |      |      | P(a) | 3.00 | 3.00 |
|     |   |               |      |      | A    |      |      |

#### Details

**Means of verification:** Accreditation certificates

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|--|-----------------|----------|---------------|------|------|----------|
| 4.5       | Food Safety Unit (FSU) established and operational | unit            | 0.00     | 2016          | P    | 1.00 | 1.00     |
|           |  |                 |          |               | P(a) | 1.00 | 1.00     |
|           |  |                 |          |               | A    |      |          |

#### Details

**Means of verification:** LVV reports

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|-----------------|----------|---------------|------|------|----------|
| 4.6       | Masters of Science degrees in Agri-food safety and quality assurance obtained by civil servants | diplomas        | 0.00     | 2016          | P    | 2.00 | 2.00     |
|           |   |                 |          |               | P(a) | 2.00 | 2.00     |
|           |   |                 |          |               | A    |      |          |

#### Details

**Means of verification:** Diplomas

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

|  |       |  |  |  |      |      |      |
|--|-------|--|--|--|------|------|------|
|  | Women |  |  |  | P    | 1.00 | 1.00 |
|  |       |  |  |  | P(a) | 1.00 | 1.00 |
|  |       |  |  |  | A    |      |      |
|  | Men   |  |  |  | P    | 1.00 | 1.00 |
|  |       |  |  |  | P(a) | 1.00 | 1.00 |
|  |       |  |  |  | A    |      |      |

**Outcome Nbr. 5:** Improved agricultural research and extension system

**Observation:**

| Indicator | Unit of | Baseline | Baseline |  | 2022 | EOP 2022 |
|-----------|---------|----------|----------|--|------|----------|
|-----------|---------|----------|----------|--|------|----------|

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

|     |   | Measure |      | Year |      |       |       |
|-----|---|---------|------|------|------|-------|-------|
| 5.0 | Percentage of targeted open field vegetable farmers that adopted best practices recommended by the projects (male headed/female headed) | %       | 0.00 | 2016 | P    | 50.00 | 50.00 |
|     |   |         |      |      | P(a) | 50.00 | 50.00 |
|     |   |         |      |      | A    |       |       |

#### Details

**Means of verification:** impact evaluation

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure  | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|--|----------|---------------|------|------|----------|
| 5.1       | Amount of chemical pesticides used in the production of rice | SRD      | 800.00        | 2016 | P    | 720.00   |
|           |  |          |               |      | P(a) | 720.00   |
|           |  |          |               |      | A    |          |

#### Details

**Means of verification:** Impact evaluation

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure                                    | Baseline     | Baseline Year |      | 2022 | EOP 2022 |
|-----------|--|--------------|---------------|------|------|----------|
| 5.2       | Number of technologies adapted to local conditions | Technologies | 0.00          | 2016 | P    | 28.00    |
|           |  |              |               |      | P(a) | 28.00    |
|           |  |              |               |      | A    |          |

#### Details

**Means of verification:** LVV research reports

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure   | Baseline | Baseline Year |      | 2022 | EOP 2022 |
|-----------|---|----------|---------------|------|------|----------|
| 5.3       | Tertiary education degrees obtained by research and extension staff | degrees  | 0.00          | 2016 | P    | 18.00    |
|           |   |          |               |      | P(a) | 18.00    |
|           |   |          |               |      | A    |          |

#### Details

**Means of verification:** Project progress report. Diplomas.

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

|  |       |  |  |  |      |       |       |
|--|-------|--|--|--|------|-------|-------|
|  | Women |  |  |  | P    | 8.00  | 8.00  |
|  |       |  |  |  | P(a) | 8.00  | 8.00  |
|  |       |  |  |  | A    |       |       |
|  | Men   |  |  |  | P    | 10.00 | 10.00 |
|  |       |  |  |  | P(a) | 10.00 | 10.00 |
|  |       |  |  |  | A    |       |       |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Agricultural health and food safety

|      | Output  | Unit of Measure      |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |           |
|------|---|----------------------|------|-------------------|----------|--------------------|-----------|
|      |   |                      |      | 2018              | EOP 2022 | 2018               | EOP 2022  |
| 1.1  | Plant health laboratory completed and equipped      | lab                  | P    |                   | 1        | 100,000            | 300,000   |
|      |   |                      | P(a) |                   | 1        | 100,000            | 300,000   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.2  | Pest risk analysis (PRA) conducted                  | number               | P    |                   | 12       |                    | 557,000   |
|      |   |                      | P(a) |                   | 12       |                    | 557,000   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.3  | Border control points equipped                      | number               | P    | 1                 | 5        | 36,000             | 203,800   |
|      |   |                      | P(a) | 1                 | 5        | 36,000             | 203,800   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.4  | Operational material developed                      | documents            | P    |                   | 29       |                    | 300,000   |
|      |   |                      | P(a) |                   | 29       |                    | 300,000   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.5  | Import and export pest-specific protocols developed | documents            | P    |                   | 18       |                    | 147,000   |
|      |   |                      | P(a) |                   | 18       |                    | 147,000   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.6  | Tertiary education scholarships financed            | staff                | P    |                   | 20       |                    | 352,115   |
|      |   |                      | P(a) |                   | 20       |                    | 352,115   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.7  | Pesticide management training conducted             | number of people     | P    |                   | 500      |                    | 263,600   |
|      |   |                      | P(a) |                   | 500      |                    | 263,600   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.8  | Traceability system for plant health established    | system               | P    |                   | 1        |                    | 558,000   |
|      |   |                      | P(a) |                   | 1        |                    | 558,000   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.9  | Inputs for ALPP financed                            | ALPP                 | P    |                   | 1        |                    | 139,600   |
|      |   |                      | P(a) |                   | 1        |                    | 139,600   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.10 | Animal health laboratory equipped                   | lab                  | P    |                   | 1        |                    | 2,698,940 |
|      |   |                      | P(a) |                   | 1        |                    | 2,698,940 |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.11 | Information system installed                        | system               | P    |                   | 1        |                    | 410,500   |
|      |   |                      | P(a) |                   | 1        |                    | 410,500   |
|      |   |                      | A    | 0                 | 0        | 0                  | 0         |
| 1.12 | Veterinary services staff trained                   | number of staff      | P    | 15                | 45       | 15,000             | 45,000    |
|      |   |                      | P(a) | 15                | 45       | 15,000             | 45,000    |
|      |   |                      | A    | 15                | 15       | 0                  | 0         |
| 1.13 | Risk assessment studies conducted                   | number of studies    | P    |                   | 6        |                    | 266,000   |
|      |   |                      | P(a) |                   | 6        |                    | 266,000   |
|      |   |                      | A    | 0                 | 0        | 103,544            | 103,544   |
| 1.14 | Awareness campaigns and workshops conducted         | number of activities | P    | 1                 | 9        | 35,000             | 145,000   |
|      |   |                      | P(a) | 1                 | 9        | 35,000             | 145,000   |
|      |   |                      | A    | 2                 | 2        | 4,748              | 4,748     |
| 1.15 | Laboratory personnel and inspectors trained         | Number of staff      | P    |                   | 40       |                    | 400,582   |
|      |   |                      | P(a) |                   | 40       |                    | 400,582   |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

|      | Output  | Unit of Measure   |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |           |
|------|---|-------------------|------|-------------------|----------|--------------------|-----------|
|      |   |                   |      | 2018              | EOP 2022 | 2018               | EOP 2022  |
| 1.15 | Laboratory personnel and inspectors trained                 | Number of staff   | A    | 0                 | 0        | 0                  | 0         |
| 1.16 | National Food Safety Policy and implementation plan drafted | document          | P    |                   | 1        |                    | 33,500    |
|      |   |                   | P(a) |                   | 1        |                    | 33,500    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.17 | Updated food safety regulations drafted                     | documents         | P    |                   | 1        |                    | 17,100    |
|      |   |                   | P(a) |                   | 1        |                    | 19,000    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.18 | GAP and hygiene code manuals developed                      | number of manuals | P    |                   | 9        |                    | 31,000    |
|      |   |                   | P(a) |                   | 9        |                    | 31,000    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.19 | Inspector and extension officers trained                    | number of staff   | P    |                   | 180      |                    | 1,800     |
|      |   |                   | P(a) |                   | 180      |                    | 87,195    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.20 | Farmers trained in GAP and hygiene code                     | number of farmers | P    |                   | 420      |                    | 279,000   |
|      |   |                   | P(a) |                   | 420      |                    | 279,000   |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.21 | Inspectors hired and trained                                | number of staff   | P    |                   | 23       |                    | 753,256   |
|      |   |                   | P(a) |                   | 23       |                    | 753,256   |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.22 | Food safety laboratory equipped                             | lab               | P    |                   | 1        |                    | 361,270   |
|      |   |                   | P(a) |                   | 1        |                    | 361,270   |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.23 | Laboratory technicians trained                              | number of staff   | P    |                   | 56       |                    | 222,000   |
|      |   |                   | P(a) |                   | 56       |                    | 222,000   |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.24 | Surveillance plan for food safety hazards developed         | plan              | P    |                   | 1        |                    | 15,000    |
|      |   |                   | P(a) |                   | 1        |                    | 15,000    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.25 | Consumer food safety awareness campaign conducted           | campaign          | P    |                   | 2        |                    | 64,000    |
|      |   |                   | P(a) |                   | 2        |                    | 64,000    |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |
| 1.26 | Laboratory complex completed                                | lab               | P    |                   | 1        | 182,000            | 1,535,000 |
|      |   |                   | P(a) |                   | 1        | 182,000            | 1,535,000 |
|      |   |                   | A    | 0                 | 0        | 0                  | 0         |



## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 2 Agricultural research and technology transfer

|      | Output                                      | Unit of Measure    |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |           |
|------|---|--------------------|------|-------------------|----------|--------------------|-----------|
|      |   |                    |      | 2018              | EOP 2022 | 2018               | EOP 2022  |
| 2.1  | Research projects completed                 | number of projects | P    |                   | 30       |                    | 2,766,937 |
|      |   |                    | P(a) |                   | 30       |                    | 2,766,369 |
|      |   |                    | A    | 0                 | 0        | 3,432              | 3,432     |
| 2.2  | Production manuals developed                | number of manuals  | P    |                   | 18       |                    | 27,700    |
|      |   |                    | P(a) |                   | 18       |                    | 41,710    |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.3  | YouTube instructional videos produced       | videos             | P    |                   | 58       |                    | 26,500    |
|      |   |                    | P(a) |                   | 58       |                    | 41,660    |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.4  | Agricultural innovation training conducted  | number of farmers  | P    |                   | 700      |                    | 191,000   |
|      |   |                    | P(a) |                   | 700      |                    | 191,000   |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.5  | On-farm trials and demonstrations conducted | trials             | P    |                   | 30       |                    | 201,000   |
|      |   |                    | P(a) |                   | 30       |                    | 201,000   |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.6  | Media equipment purchased                   | equipment          | P    |                   | 1        |                    | 250,000   |
|      |   |                    | P(a) |                   | 1        |                    | 250,000   |
|      |   |                    | A    | 0                 | 0        | 1,742              | 1,742     |
| 2.7  | LVV Staff Trained                           | Number of people   | P    | 45                | 45       | 105,000            | 105,000   |
|      |   |                    | P(a) | 45                | 45       | 105,000            | 105,000   |
|      |   |                    | A    | 40                | 40       | 95                 | 95        |
| 2.8  | Tertiary education scholarships financed    | number of staff    | P    |                   | 18       |                    | 656,503   |
|      |   |                    | P(a) |                   | 18       |                    | 656,503   |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.9  | Pesticide management facilities upgraded    | facilities         | P    |                   | 1        |                    | 25,000    |
|      |   |                    | P(a) |                   | 1        |                    | 25,000    |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.10 | Agricultural innovation projects completed  | number of projects | P    |                   | 20       |                    | 125,000   |
|      |   |                    | P(a) |                   | 20       |                    | 125,000   |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |
| 2.11 | Cluster laboratory installations completed  | laboratory         | P    |                   | 1        |                    | 1,211,700 |
|      |   |                    | P(a) |                   | 1        |                    | 1,211,700 |
|      |   |                    | A    | 0                 | 0        | 0                  | 0         |

## Other Cost

|                           |      |  |  |         |           |
|---------------------------|------|--|--|---------|-----------|
| External Audit            | P    |  |  | 50,000  | 250,000   |
|                           | P(a) |  |  | 50,000  | 200,000   |
|                           | A    |  |  | 0       | 0         |
| Monitoring and evaluation | P    |  |  |         | 300,000   |
|                           | P(a) |  |  |         | 300,000   |
|                           | A    |  |  | 0       | 0         |
| Project management        | P    |  |  | 242,064 | 1,263,597 |
|                           | P(a) |  |  | 242,064 | 1,197,700 |
|                           | A    |  |  | 181,060 | 181,060   |

Total Cost

|  |            |      |  |  |         |            |
|--|------------|------|--|--|---------|------------|
|  | Total Cost | P    |  |  | 765,064 | 17,500,000 |
|  |            | P(a) |  |  | 765,064 | 17,500,000 |
|  |            | A    |  |  | 294,621 | 294,621    |

# PMR Operational Report

## CHANGES TO THE MATRIX

| Section | Name   | Reasons             | Type of Change | Subtype                     | Modified By | Entered in the System |
|---------|--|---------------------|----------------|-----------------------------|-------------|-----------------------|
| Output  | Awareness campaigns and workshops conducted    |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         |  |                     |                | Modify Physical P(a) value  | SHOFWIJKS   | 01/17/2019            |
|         | Border control points equipped                 |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         |  |                     |                | Modify Physical P(a) value  | MICHAELC    | 03/15/2019            |
|         |  |                     |                |                             | SHOFWIJKS   | 01/17/2019            |
|         | Inspector and extension officers trained       | Updated information | Modify Output  | Modify Financial P(a) value | MICHAELC    | 03/19/2019            |
|         | LVV Staff Trained                              | Updated information | Modify Output  | Modify Output name          | SHOFWIJKS   | 01/17/2019            |
|         | Laboratory complex completed                   |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         | Media equipment purchased                      |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         | Plant health laboratory completed and equipped |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         | Production manuals developed                   | Updated information | Modify Output  | Modify Financial P(a) value | MICHAELC    | 03/19/2019            |
|         |  |                     |                |                             |             | 04/10/2019            |
|         | Research projects completed                    | Updated information | Modify Output  | Modify Financial P(a) value | MICHAELC    | 03/19/2019            |
|         |  |                     |                |                             | SHOFWIJKS   | 01/17/2019            |
|         | Risk assessment studies conducted              |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         | Updated food safety regulations drafted        | Updated information | Modify Output  | Modify Financial P(a) value | MICHAELC    | 03/19/2019            |
|         | Veterinary services staff trained              |                     | Modify Output  | Modify Financial P(a) value | SHOFWIJKS   | 01/17/2019            |
|         | YouTube instructional videos produced          | Updated information | Modify Output  | Modify Financial P(a) value | MICHAELC    | 03/19/2019            |

## PMR Operational Report

### IMPLEMENTATION STATUS AND LEARNING

| Lesson Learned - Categories |
|-----------------------------|
|                             |