Nutrition Smart Agriculture in Haiti

Supplementary material

This Supplementary Material is in support of the Nutrition Smart Agriculture in the Haiti Country Profile. The annexes below are references where relevant in the text. The Supplementary Material cannot and should not be read in isolation. It can only be read in association with the Country Profile.

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### Annex 1: Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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<tbody>
<tr>
<td>ASTM</td>
<td>American Society for Testing and Materials</td>
</tr>
<tr>
<td>BHN</td>
<td>Haitian Bureau of Standardization (Bureau Haïtien de Normalisation, BHN)</td>
</tr>
<tr>
<td>BMI</td>
<td>Body Mass Index</td>
</tr>
<tr>
<td>CAC</td>
<td>Codex Alimentarius Commission</td>
</tr>
<tr>
<td>CARI</td>
<td>FAO/WHO Consolidated Food Security Indicator approach</td>
</tr>
<tr>
<td>CCLAC</td>
<td>Coordination Committee for Latin America and the Caribbean</td>
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<tr>
<td>CCP</td>
<td>Codex Alimentarius National Contact Point</td>
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<tr>
<td>CDC</td>
<td>United States’ Center for Disease Control</td>
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<tr>
<td>CERC</td>
<td>Contingency emergency Response Component</td>
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<tr>
<td>CNSA</td>
<td>National Coordination for Food Security (Coordination Nationale de la Sécurité Alimentaire)</td>
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<tr>
<td>COLFAM</td>
<td>Commission for the Fight Against Hunger and Malnutrition (Commission Nationale de Lutte Contre la Faim et la Malnutrition)</td>
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<tr>
<td>COPANT</td>
<td>Panamerican Standards Commission</td>
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<tr>
<td>Covid-19</td>
<td>Coronavirus Disease</td>
</tr>
<tr>
<td>CTF</td>
<td>Codex Trust Fund</td>
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<tr>
<td>CTN</td>
<td>Technical Nutrition Committee (Comité Technique de Nutrition)</td>
</tr>
<tr>
<td>DCQPC</td>
<td>Directorate of Quality Control and Consumer Protection (Direction du Contrôle de la Qualité et de Protection du Consommateur)</td>
</tr>
<tr>
<td>DGPSA</td>
<td>Department of Production and Food Safety</td>
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<tr>
<td>DHS</td>
<td>Demographic and Health Survey</td>
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<tr>
<td>DPSPE</td>
<td>Directorate for Health Promotion and Environmental Protection (Direction de la Promotion de la Santé et de Protection de l’Environnement)</td>
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<tr>
<td>FAD</td>
<td>Fish Aggregating Devices (Dispositifs de Concentration de Poissons)</td>
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<td>FAO</td>
<td>Food and Agriculture Organization</td>
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<tr>
<td>FBDGs</td>
<td>Food-based dietary guidelines</td>
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<tr>
<td>FCS</td>
<td>Food Consumption Score</td>
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<tr>
<td>FETP</td>
<td>Field Epidemiology Training Program</td>
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<tr>
<td>FEWS Net</td>
<td>Famine Early Warning Systems Network</td>
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<tr>
<td>GAFSP</td>
<td>Global Agriculture and Food Security Program</td>
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<tr>
<td>GAIN</td>
<td>Global Alliance for Improved Nutrition</td>
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<tr>
<td>GDP</td>
<td>Gross Domestic Product</td>
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<td>HDDS</td>
<td>Household Dietary Diversity Score</td>
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<td>IDB</td>
<td>Inter-American Development Bank</td>
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<td>IFAD</td>
<td>International Fund for Agricultural Development</td>
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<td>IHE</td>
<td>Haitian Children’s Institute (Institut Haïtien des Enfants)</td>
</tr>
<tr>
<td>INDOCAL</td>
<td>Dominican Institute for Quality</td>
</tr>
<tr>
<td>IQ</td>
<td>Intelligence Quotient</td>
</tr>
<tr>
<td>KIO3</td>
<td>Potassium iodate</td>
</tr>
<tr>
<td>LVCQAT</td>
<td>Veterinary and Quality Control Laboratory for Tamarind Food</td>
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<tr>
<td>MARNDR</td>
<td>Ministry of Agriculture, Natural Resources and Rural Development (Ministère de l’Agriculture, des Ressources Naturelles et du Développement Rural)</td>
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<tr>
<td>MRLs</td>
<td>Maximum Residue Limits</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
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<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>MSPP</td>
<td>Ministry of Public Health and Population (Ministère de la Santé Publique et de la Population)</td>
</tr>
<tr>
<td>NSmartAg</td>
<td>Nutrition Smart Agriculture</td>
</tr>
<tr>
<td>PAGAI</td>
<td>Inclusive Agricultural Governance Support Program</td>
</tr>
<tr>
<td>PDNA</td>
<td>Post-Disaster Needs Assessment</td>
</tr>
<tr>
<td>PGPP</td>
<td>Plan for pests and pesticides (Plan de Gestion des Pestes et Des Pesticides)</td>
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<tr>
<td>PITAG</td>
<td>Technological Innovations Program for Agriculture and Agroforestry</td>
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<tr>
<td>PNIA</td>
<td>National Plan for Agricultural investment (Plan National d’investissement Agricole)</td>
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<td>PNSAN</td>
<td>National Plan for Food and Nutrition Security (Plan National de Sécurité Alimentaire et Nutritionnelle)</td>
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<tr>
<td>PSNASSANH</td>
<td>National Policy and Strategy for Food Sovereignty and Security and Nutrition in Haiti (Politique et Stratégie Nationales de Souveraineté et Sécurité Alimentaires et de Nutrition en Haïti)</td>
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<tr>
<td>PSSA</td>
<td>Special Programme for Food Security</td>
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<td>Ranfôse Abitid Nitrisyon pou Fè Ogmante Sante</td>
</tr>
<tr>
<td>R&amp;D</td>
<td>Research and Development</td>
</tr>
<tr>
<td>RESEPAG</td>
<td>Strengthening of Agricultural Public Services Project</td>
</tr>
<tr>
<td>RNF</td>
<td>Standards and Francophonie Network (Réseau Normalisation et Francophonie)</td>
</tr>
<tr>
<td>SIM</td>
<td>Inter-American Metrology System</td>
</tr>
<tr>
<td>SUN</td>
<td>Scaling Up Nutrition Movement</td>
</tr>
<tr>
<td>UCPNANU</td>
<td>Coordination Unit of the National Food and Nutrition Program (Unité de Coordination du Programme National d’Alimentation et de Nutrition)</td>
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<tr>
<td>UNICEF</td>
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<td>WFP</td>
<td>World Food Programme</td>
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<td>WHO</td>
<td>World Health Organization</td>
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Annex II: Food production and consumption pie charts per Department

1. Artibonite

   Consumption

   Production

2. Centre

   Consumption

   Production
3. Grand'Anse

consumption

production

4. Nippes

consumption

production
7. Nord-Ouest

Consumption

Production

8. Ouest

Consumption

Production
Annex III: Key nutrient bar charts per Department

1. Artibonite

Consumption: Proteing - artibonite 51g

Production: Proteing - artibonite 51g
2. Centre

### Consumption

- **Protein - centre**
  - 51g

### Production

- **Protein - centre**
  - 51g

---

### Consumption

- **Femg - centre**
  - 58.8mg

### Production

- **Femg - centre**
  - 58.8mg

---

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3. Grand’Anse
### Consumption

**VitAREmcg - grand’anse**

- 500REmcg

#### Fictitious Data

<table>
<thead>
<tr>
<th>Food Item</th>
<th>Contribution</th>
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<tbody>
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<td>30%</td>
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<tr>
<td>Carrot</td>
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</tr>
<tr>
<td>Milk</td>
<td>10%</td>
</tr>
<tr>
<td>Green Beans</td>
<td>5%</td>
</tr>
<tr>
<td>Manioc</td>
<td>2%</td>
</tr>
<tr>
<td>Fish</td>
<td>1%</td>
</tr>
<tr>
<td>Bread</td>
<td>1%</td>
</tr>
<tr>
<td>Cheese</td>
<td>1%</td>
</tr>
<tr>
<td>Other Vegetables</td>
<td>1%</td>
</tr>
<tr>
<td>Tomato</td>
<td>1%</td>
</tr>
<tr>
<td>Yam</td>
<td>1%</td>
</tr>
<tr>
<td>Other Fruits</td>
<td>1%</td>
</tr>
<tr>
<td>Mango</td>
<td>1%</td>
</tr>
<tr>
<td>Chili Pepper</td>
<td>0.5%</td>
</tr>
<tr>
<td>Lettuce</td>
<td>0.5%</td>
</tr>
<tr>
<td>Other Tubers</td>
<td>0.2%</td>
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### Production

**VitAREmcg - grand’anse**

- 500REmcg

#### Fictitious Data

<table>
<thead>
<tr>
<th>Food Item</th>
<th>Contribution</th>
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<tbody>
<tr>
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<tr>
<td>Carrot</td>
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<td>Milk</td>
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<tr>
<td>Green Beans</td>
<td>5%</td>
</tr>
<tr>
<td>Manioc</td>
<td>2%</td>
</tr>
<tr>
<td>Fish</td>
<td>1%</td>
</tr>
<tr>
<td>Bread</td>
<td>1%</td>
</tr>
<tr>
<td>Cheese</td>
<td>1%</td>
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<tr>
<td>Other Vegetables</td>
<td>1%</td>
</tr>
<tr>
<td>Tomato</td>
<td>1%</td>
</tr>
<tr>
<td>Yam</td>
<td>1%</td>
</tr>
<tr>
<td>Other Fruits</td>
<td>1%</td>
</tr>
<tr>
<td>Mango</td>
<td>1%</td>
</tr>
<tr>
<td>Chili Pepper</td>
<td>0.5%</td>
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<td>Lettuce</td>
<td>0.5%</td>
</tr>
<tr>
<td>Other Tubers</td>
<td>0.2%</td>
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</tbody>
</table>

### Consumption

**FolatemcgDFE - grand’anse**

- 400mcgDFE

#### Fictitious Data

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<tr>
<td>Import Rice</td>
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<td>Cassava</td>
<td>3%</td>
</tr>
<tr>
<td>Milk</td>
<td>3%</td>
</tr>
<tr>
<td>Green Beans</td>
<td>2%</td>
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<tr>
<td>Manioc</td>
<td>1%</td>
</tr>
<tr>
<td>Fish</td>
<td>1%</td>
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<td>Yam</td>
<td>1%</td>
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<tr>
<td>Other Tubers</td>
<td>1%</td>
</tr>
<tr>
<td>Mango</td>
<td>1%</td>
</tr>
<tr>
<td>Chili Pepper</td>
<td>0.5%</td>
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<tr>
<td>Lettuce</td>
<td>0.5%</td>
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<tr>
<td>Sweet Potato</td>
<td>0.3%</td>
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### Production

**FolatemcgDFE - grand’anse**

- 400mcgDFE

#### Fictitious Data

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<td>Pigeon Peas</td>
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<td>Yam</td>
<td>17%</td>
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<td>Cassava</td>
<td>7%</td>
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<td>Bread</td>
<td>5%</td>
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<tr>
<td>Cheese</td>
<td>2%</td>
</tr>
<tr>
<td>Other Vegetables</td>
<td>2%</td>
</tr>
<tr>
<td>Other Fruits</td>
<td>1%</td>
</tr>
<tr>
<td>Mango</td>
<td>1%</td>
</tr>
<tr>
<td>Chili Pepper</td>
<td>0.5%</td>
</tr>
<tr>
<td>Lettuce</td>
<td>0.3%</td>
</tr>
<tr>
<td>Sweet Potato</td>
<td>0.1%</td>
</tr>
</tbody>
</table>

---

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4. Nippes

consumption

Protein - nippes
51g

production

Protein - nippes
51g

consumption

Femg - nippes
58.8mg

production

Femg - nippes
58.8mg
5. Nord

consumption

production

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6. Nord-Est

**Consumption**

Protein - nord-est

- Rice (38.5%)
- Bread (15.2%)
- Local Rice (8.8%)
- Pasta (Spaghetti, Roncent, Mac.) (8.7%)
- Potato / Patato (5.1%)
- Fish / Herring (4.8%)
- Milk (4.7%)
- Beef (4.3%)
- Chicken / Chick / Bronze (3.6%)
- Wheat Flour (2.4%)
- Green Beans (1.9%)
- Sheep / Goat (1.6%)
- Cassava (1.5%)
- Papdali (1.2%)
- Potato (1.1%)
- Maize (1.0%)
- Rigo (0.8%)
- Corn (0.4%)
- Milk (0.4%)
- Other Cookies, Pops (0.2%)

**Production**

Protein - nord-est

- Rice (38.4%)
- Pulque Pus (14.3%)
- Rice (13.8%)
- Corn (11.8%)
- Cassava (9.1%)
- Garnet ... (9.0%)
- Beans (2.7%)
- Sweet Potato (2.1%)
- Milk (1.4%)
- Yam (1.1%)
- Fish (0.4%)
- Pigs (0.2%)
- Beet (0.1%)
- Green Beans (0.1%)
- Tomato (0.1%)
- Cassava (0.0%)
- Other Cassava (0.0%)

**Consumption**

Femg - nord-est

- Bread (54.7%)
- Imporl. Rice (17.4%)
- Local Rice at home (7.9%)
- Pasta / Patato (3.9%)
- Papdali (4.5%)
- Pasta (Spaghetti, Roncent, Mac.) (0.9%)
- Green Beans (0.5%)
- Beef (2.9%)
- Cow (1.6%)
- Spoon / Herring (0.8%)
- Potato (1.1%)
- Other Cookies, Pops (1.1%)
- Milk (1.0%)
- Waste (0.6%)
- Wheat Flour (0.5%)
- Fish / Herring (3.3%)
- Cassava (0.3%)
- Garlic (0.1%)

**Production**

Femg - nord-est

- Panasonic (53.0%)
- Corn (16.2%)
- Pulque Pus (13.0%)
- Rigo (3.3%)
- Cassava (7.7%)
- Neen (3.0%)
- Sweet Potato (2.9%)
- Garnet ... (2.9%)
- Yam (1.2%)
- Hamper (1.1%)
- Beet (0.8%)
- Green Beans (0.6%)
- Green Beans (0.5%)
- Tomato (0.2%)
- Cassava (0.1%)
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8. Ouest

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**9. Sud**

#### Consumption

<table>
<thead>
<tr>
<th>Food Item</th>
<th>Percentage</th>
<th>Protein (g)</th>
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<td>Import Rice (30.4%)</td>
<td>8%</td>
<td>51</td>
</tr>
<tr>
<td>Bread (13.7%)</td>
<td>3%</td>
<td>51</td>
</tr>
<tr>
<td>Pasta / F梯p (8.8%)</td>
<td>2%</td>
<td>51</td>
</tr>
<tr>
<td>Pork / Ground Beef (1.1%)</td>
<td>0%</td>
<td>51</td>
</tr>
<tr>
<td>Green Beans (6.1%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Rice (2.2%)</td>
<td>0%</td>
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<tr>
<td>Sweet Potato (0.5%)</td>
<td>0%</td>
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<tr>
<td>Greens (0.5%)</td>
<td>0%</td>
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</tbody>
</table>

#### Production

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<tr>
<th>Food Item</th>
<th>Percentage</th>
<th>Protein (g)</th>
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</thead>
<tbody>
<tr>
<td>Corn (24.4%)</td>
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<td>51</td>
</tr>
<tr>
<td>Pigeon Pea (17.6%)</td>
<td>5%</td>
<td>51</td>
</tr>
<tr>
<td>Other Pulses (5.1%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Black Beans (2.2%)</td>
<td>0%</td>
<td>51</td>
</tr>
<tr>
<td>Sweet Potato (5.1%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Green Beans (6.1%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Rice (2.2%)</td>
<td>0%</td>
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</tr>
<tr>
<td>Good (0.4%)</td>
<td>0%</td>
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<tr>
<td>Sorghum (0.6%)</td>
<td>0%</td>
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<tr>
<td>Chickpea (0.1%)</td>
<td>0%</td>
<td>51</td>
</tr>
<tr>
<td>Black Beans (2.2%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Sweet Potato (5.1%)</td>
<td>1%</td>
<td>51</td>
</tr>
<tr>
<td>Chicken (0.5%)</td>
<td>0%</td>
<td>51</td>
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<tr>
<td>Green Beans (6.1%)</td>
<td>1%</td>
<td>51</td>
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</table>
10. Sud-Est

### Consumption

**Proteing - sud-est**

- 51g

### Production

**Proteing - sud-est**

- 51g

---

**Consumption**

**Femg - sud-est**

- 58.8mg

**Production**

**Femg - sud-est**

- 58.8mg
Annex IV: Case studies on NSmartAg technologies and practices per Department

NSmartAg
Haiti Country Profile

Indicative list of case studies
Name of agribusiness: OFDAA

Food product: Akamil (bean and maize flour)

Process: Drying, milling

Nutrition Smart Agriculture practice: Blending legume to add high-quality protein to a cereal flour

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Scale up production
Name of agribusiness: Asosyasyon Tèt Kole Giyou

Food product: Moringa leaves

Process: Drying, cutting, washing, grinding, packaging

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly vitamin A, iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Use of material to grind leaves
Name of agribusiness: Asosyasyon Tèt Kole Giyou

Food product: Akamil (blended flour); peas, rice, corn

Process: Drying, sorting, grinding, bagging

Nutrition Smart Agriculture practice: Control of aflatoxins

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Purchasing equipment
Name of agribusiness: Taino Aqua Ferme

Food product: Fresh tilapia fish

Process: No special technique; already nutritious

Nutrition Smart Agriculture practice: Retention of nutrients

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Not available
Name of agribusiness: Association des parents de la troisième section communale de Camp Perrin

Food product: Akamil; peas, corn, rice

Process: Drying, sorting, grinding, bagging

Nutrition Smart Agriculture practice: Improved storage (i.e. packing materials, storage environment, etc.)

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Buying more modern equipment
Name of agribusiness: Laiterie Bon Repos

Food product: Cheese

Process: Cooling, pasteurization, cooking

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly zinc, vitamin A, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Not available
Name of agribusiness: Agropest

Food product: Rose, black, and grey tilapia

Process: Temperature & oxygen control, daily observation, weighing

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Improve food quality
- Place cages in mouths and lakes where it is brackish
Name of agribusiness: Têt Kole Fanm Dilè (ITKFD)

Food product: Grilled nuts

Process: Grilling, cooling, drying, washing, sorting, packing

Nutrition Smart Agriculture practice: Aflatoxin control

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein as well as iron, zinc, vitamin A and folate depending on the kinds of nuts); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Ferme les Bons Amis

Food product: Chopped dry moringa leaf

Process: No special technique; already nutritious.

Nutrition Smart Agriculture practice: Retention of nutrients

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly vitamin A, iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Not available
**Name of agribusiness:** Groupe d’appui à la production locale (GAPL)

**Food product:** Bread fruit flour

**Process:** Drying, washing, peeling, slicing, milling

**Nutrition Smart Agriculture practice:** No special technique; already nutritious

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly protein and some vitamin A and folate); no added sugar.

**Key agribusiness facts:**
- Business plan available
- Profitable business
- Growing market
- Other competitors in the area

**Key considerations for further support:**
- Not available
Name of agribusiness: Coordination des Femmes Organisées Commune d’Arquin (COFOCA)

Food product: Peanut butter

Process: Grilling, sorting, peeling, grinding, jarring, packaging

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Purchasing equipment
**Name of agribusiness:** Asosyasyon Tèt Kole Giyou

**Food product:** Akamil

**Process:** Drying, sorting, grinding, bagging

**Nutrition Smart Agriculture practice:** Aflatoxin control

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

**Key agribusiness facts:**
- Business plan not available
- Profitable business
- Stable market
- No other competitors in the area

**Key considerations for further support:**
- Purchasing equipment
Name of agribusiness: Fondation AQUADEV

Food product: Shrimp

Process: Icing

Nutrition Smart Agriculture practice: Improved storage (igloo)

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, protein and some vitamin A); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Stable market
- Other competitors in the area

Key considerations for further support:
- Having a cold room so that product can be stored longer
**Name of agribusiness:** Association des parents de la troisième section communale de Camp Perrin

**Food product:** Akamil

**Process:** Drying, sorting, grinding, bagging

**Nutrition Smart Agriculture practice:** Improved storage

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

**Key agribusiness facts:**
- Business plan not available
- Profitable business
- Stable market
- No other competitors in the area

**Key considerations for further support:**
- Buying more modern equipment
**Name of agribusiness:** Têt Kole Fanm Dilè ( ITKFD )

**Food product:** Grilled nuts

**Process:** Grilling, cooling, drying, washing, sorting, packing

**Nutrition Smart Agriculture practice:** Aflatoxin control

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly protein as well as iron, zinc and folate depending on the kinds of nuts); no added sugar.

**Key agribusiness facts:**
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

**Key considerations for further support:**
- Buying modern equipment
Name of agribusiness: Laiterie de Ouanaminthe

Food product: Sterilized milk

Process: Cooling, sterilization, lacto-densimetry testing, sensory testing, iodine testing, alcohol testing

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein and some zinc and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Not available
Name of agribusiness: Ferme Thozin

Food product: Chicken meat

Process: Slaughter, cutting, washing with water, lemon, and sour orange

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, vitamin A, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Having modern equipment to be more competitive
Name of agribusiness: Fondation Aquadev

Food product: Fish fillet

Process: Removing fish bones, cutting fish into pieces

Nutrition Smart Agriculture practice: No special technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Not available
<table>
<thead>
<tr>
<th>Name of agribusiness:</th>
<th>Laiterie de Thomazeau</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Food product:</strong></td>
<td>Cheese</td>
</tr>
<tr>
<td><strong>Process:</strong></td>
<td>Fermentation, refrigeration, cooking</td>
</tr>
<tr>
<td><strong>Nutrition Smart Agriculture practice:</strong></td>
<td>No particular technique; already nutritious</td>
</tr>
<tr>
<td><strong>Nutritional contribution:</strong></td>
<td>Contributes to increased consumption of the key selected nutrients (mainly protein, zinc and some vitamin A and folate); no added sugar.</td>
</tr>
<tr>
<td><strong>Key agribusiness facts:</strong></td>
<td>- Business plan available  &lt;br&gt; - Profitable business  &lt;br&gt; - Stable market  &lt;br&gt; - No other competitors in the area</td>
</tr>
<tr>
<td><strong>Key considerations for further support:</strong></td>
<td>- New equipment</td>
</tr>
</tbody>
</table>
**Name of agribusiness:** Organisation des Pêcheurs de Tiburon (OPT)

**Food product:** Dried fish

**Process:** Cleaning, drying

**Nutrition Smart Agriculture practice:** No particular technique; already nutritious

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

**Key agribusiness facts:**
- Business plan not available
- Profitable business
- Stable market
- Other competitors in the area

**Key considerations for further support:**
- Purchasing of fishing equipment
Name of agribusiness: Organisation des Pêcheurs aux Baies de les Anglais et de ses Environnements (OPBAE)

Food product: Dried fish

Process: Cleaning, drying

Nutrition Smart Agriculture practice: Improved storage

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Purchase of storage equipment
**Name of agribusiness:** Association des Pêcheurs de Chardonnières (APEC)

**Food product:** Fish fillet

**Process:** Cleaning

**Nutrition Smart Agriculture practice:** Improved storage

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

**Key agribusiness facts:**
- Business plan not available
- Profitable business
- Stable market
- Other competitors in the area

**Key considerations for further support:**
- Purchase of storage equipment
Name of agribusiness: Combite Pêcheur Roche à bateau

Food product: Dried fish

Process: Drying, cleaning, washing with water and lemon

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron and protein and some zinc, folate and vitamin A); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Buying more fishing gear
Name of agribusiness: Laiterie de Torberck

Food product: Unsweetened yoghurt

Process: Cooking, fermentation, milk process, conditioning, bottling

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate, vitamin A and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying more modern equipment
**Name of agribusiness:** Laiterie de Torberck

**Food product:** Sugar-free, pasteurized milk

**Process:** Refrigeration, fermentation, pasteurization, control, filtration, packaging, storage

**Nutrition Smart Agriculture practice:** No particular technique; already nutritious

**Nutritional contribution:** Contributes to increased consumption of the key selected nutrients (mainly protein and some zinc and vitamin A); no added sugar.

**Key agribusiness facts:**
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

**Key considerations for further support:**
- Buying more equipment
Name of agribusiness: Association des Téchniciens Agricoles Camp-pérrin / Maniche

Food product: Grilled pistachios

Process: Grilling, sorting, washing, adding ingredients, cupping

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, vitamin A, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Mayoo Mamba

Food product: Peanut butter

Process: Grilling, refrigeration, sorting, peeling, grinding, jarring

Nutrition Smart Agriculture practice: Aflatoxin control; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: HIMALAYA

Food product: Unsweetened peanut butter

Process: Grilling, refrigeration, cleaning, milling, jarring

Nutrition Smart Agriculture practice: Aflatoxin control; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Ferme le Ritz

Food product: Chicken meat

Process: Slaughter, freezing, cleaning

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly vitamin A, iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Sapensa

Food product: Chaw tropical (dried pineapple)

Process: Drying, cutting

Nutrition Smart Agriculture practice: Retention of nutrients

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (some vitamin A, zinc and folate); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- More modern equipment to increase efficiency
Name of agribusiness: Gabelus production

Food product: Unsweetened peanut butter

Process: Grilling, refrigeration, sorting, grinding, jarring

Nutrition Smart Agriculture practice: Aflatoxin control; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Modern equipment
### Name of agribusiness: Gabelus production

### Food product: Grilled pistachio

### Process: Cooking, grilling, refrigeration, peeling, packing

### Nutrition Smart Agriculture practice: Aflatoxin control; already nutritious

### Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly vitamin A, iron, zinc, and protein); no added sugar.

### Key agribusiness facts:
- Business plan available
- Profitable business
- Stable market
- No other competitors in the area

### Key considerations for further support:
- Use of modern equipment
Name of agribusiness: Boss Laveau production dous macos

Food product: Unsweetened peanut butter

Process: Grilling, refrigeration, washing, grinding, and jarring

Nutrition Smart Agriculture practice: Aflatoxin control; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- Other competitors in the area

Key considerations for further support:
- Purchasing new equipment
Name of agribusiness: Se prodwi Lakay

Food product: Grilled nuts

Process: Grilling, refrigeration, breaking the nut, soaking in salted water, toasting, peeling, packaging

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc and folate, depending on the kinds of nuts); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Délices et Baboue (yoyo nwa)

Food product: Grilled nuts

Process: Grilling, refrigeration, cleaning, packaging

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc and folate, depending on the kinds of nuts); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Buying modern equipment
Name of agribusiness: Produit National Eddisson

Food product: Grilled nuts

Process: Grilling, refrigeration, smoking, breaking, cleaning

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc and folate, depending on the kinds of nuts); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Purchasing equipment
- Applying new technologies
<table>
<thead>
<tr>
<th><strong>Name of agribusiness:</strong> Novicad HAITI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Food product:</strong> Grilled nuts</td>
</tr>
<tr>
<td><strong>Process:</strong> Refrigeration, grilling, drying, washing</td>
</tr>
<tr>
<td><strong>Nutrition Smart Agriculture practice:</strong> Aflatoxin control</td>
</tr>
<tr>
<td><strong>Nutritional contribution:</strong> Contributes to increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc and folate, depending on the kinds of nuts); no added sugar.</td>
</tr>
<tr>
<td><strong>Key agribusiness facts:</strong></td>
</tr>
<tr>
<td>- Business plan available</td>
</tr>
<tr>
<td>- Profitable business</td>
</tr>
<tr>
<td>- Stable market</td>
</tr>
<tr>
<td>- No other competitors in the area</td>
</tr>
<tr>
<td><strong>Key considerations for further support:</strong></td>
</tr>
<tr>
<td>- Purchase of material that can process toasted nuts faster</td>
</tr>
</tbody>
</table>
Name of agribusiness: Kwòdinyon Fanm Kanpe Senjan

Food product: Grilled nuts

Process: Refrigeration, grilling, drying, washing, packing

Nutrition Smart Agriculture practice: Aflatoxin control

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc and folate, depending on the kinds of nuts); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Use of equipment that can increase production
Name of agribusiness: Association des parents de la troisième section communale de Camp Perrin

Food product: Peanut butter

Process: Grilling, drying, sorting, peeling, grinding, packaging

Nutrition Smart Agriculture practice: Aflatoxin control

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Stable market
- Other competitors in the area

Key considerations for further support:
- Buying a modern machine that can make grinding easier
Name of agribusiness: Rasanbleman Fanmi sou Sentsizan

Food product: Toasted almonds

Process: Refrigeration, grilling, peeling, washing, bagging

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes increased consumption of the key selected nutrients (mainly protein as well as vitamin A, iron, zinc, and folate); no added sugar.

Key agribusiness facts:
- Business plan not available
- Profitable business
- Stable market
- No other competitors in the area

Key considerations for further support:
- Purchasing equipment
Name of agribusiness: Laiterie de Ouanaminthe

Food product: Sugar-free yoghurt

Process: Refrigeration, pasteurization, fermentation, freezing, quality testing

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate, vitamin A and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Need to equip farmers with cows that can produce more
- More support in the caring of cows
Name of agribusiness: Laiterie de Grison-Garde

Food product: Sugar-free lèt agogo yoghurt

Process: Milling, fermentation, freezing, refrigeration, pasteurization, 4-step testing: lacto-density, sensory, iodine, alcohol

Nutrition Smart Agriculture practice: By pasteurizing milk, the life of milk is extended

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, zinc, folate, vitamin A and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- Improve equipment
Name of agribusiness: Association des Femmes de Ouanaminthe

Food product: Grilled pistachio

Process: Refrigeration, grilling, sorting, washing, packing

Nutrition Smart Agriculture practice: No particular technique; already nutritious

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (mainly iron, vitamin A, folate and protein); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Stable market
- Other competitors in the area

Key considerations for further support:
- Purchasing equipment
Name of agribusiness: Sapensa

Food product: Chaw tropical (dried mangoes)

Process: Drying, cutting

Nutrition Smart Agriculture practice: Retention of nutrients

Nutritional contribution: Contributes to increased consumption of the key selected nutrients (some vitamin A, zinc and folate); no added sugar.

Key agribusiness facts:
- Business plan available
- Profitable business
- Growing market
- No other competitors in the area

Key considerations for further support:
- More modern equipment to increase efficiency