

FeSeRWAM End-User Guide

The Fertilizer and Seeds
Recommendation for West Africa
(FeSeRWAM)

Table of Content

- i. About the FeSeRWAM
 - 1. How to get access to the platform
 - 2. FeSeRWAM Website
 - 3. How to access the main platform
 - 4. How to use the platform features
 - 5. How to select Location and AEZ (Agro-Ecological Zones)
 - 6. How to select a regional AEZ (West Africa Agro-Ecological Zones)
 - 7. How to use the free search
 - 8. How to select and Preview AIP (Agro Input Packages)
 - 9. How to download Agro-Input Packages (AIP)

User Guide

Fertilizer and Seeds Recommendations Map for West Africa (FeSeRWAM)

About the FeSeRWAM?

The Fertilizer and Seed Recommendations Map for West Africa (FeSeRWAM) is an interactive, digital, online and georeferenced web-based platform that offers key technical, operational, and site-specific agricultural input recommendations targeted at various potential users, particularly smallholder farmers in West Africa. The FeSeRWAM platform was developed through a participatory and inclusive approach, from data collection in countries of the Economic Community of West African States (ECOWAS) plus Chad and Mauritania through five regional and sub-regional validation workshops and an experts' meeting. The process, which lasted from October 2018 to July 2020, involved more than 350 individuals from various national and regional organizations, private and public sector stakeholders, as well as individual consultants and experts. FeSeRWAM is a digital solution to accelerate yield increases and agricultural productivity across West Africa.

FeSeRWAM is a product of the collaboration between the International Fertilizer Development Center (IFDC) www.ifdc.org and the West and Central African Council for Agricultural Research and Development (CORAF) www.coraf.org, through their respective Feed the Future Enhancing Growth through Regional Agricultural Input Systems (EnGRAIS) for West Africa and the Partnership for Agricultural Research, Education, and Development (PAIRED) projects, with support from other regional and national public and private sector partners.

How to get access to the Website

1. Launch your browser



2. Type (<https://feserwam.org>) into the address bar of your browser and press the enter key on your keyboard

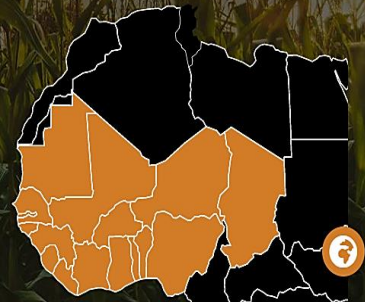
FeSeRWAM

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The Fertilizer and Seed Recommendations Map for **West Africa**

FeSeRWAM and AIPs, your online agricultural information window.
Take advantage of it!

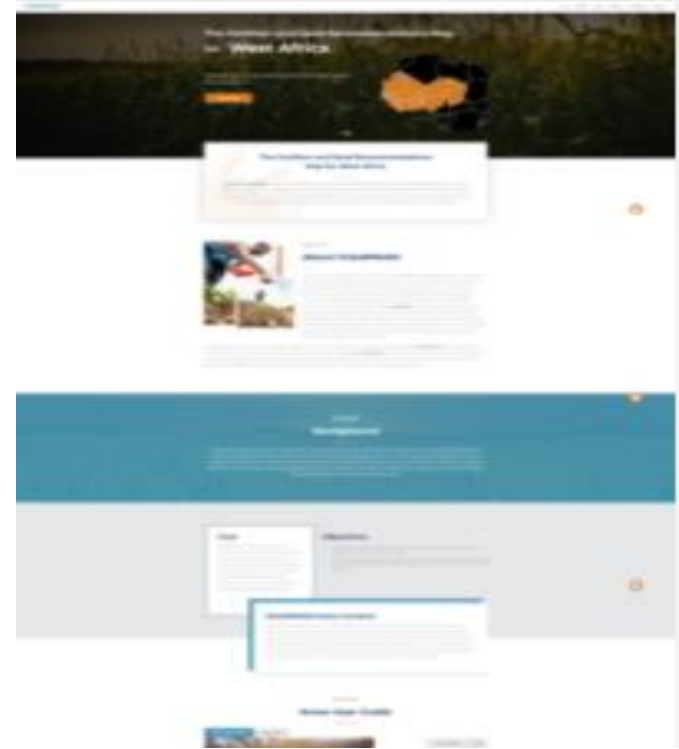
[Read More!](#)



<https://feserwam.org>

FeSeRWAM Website presents an overview of the project and allow user to get a better understanding of the tools.

User can also user navigate to the main platform by selecting country or by clicking on the map icon

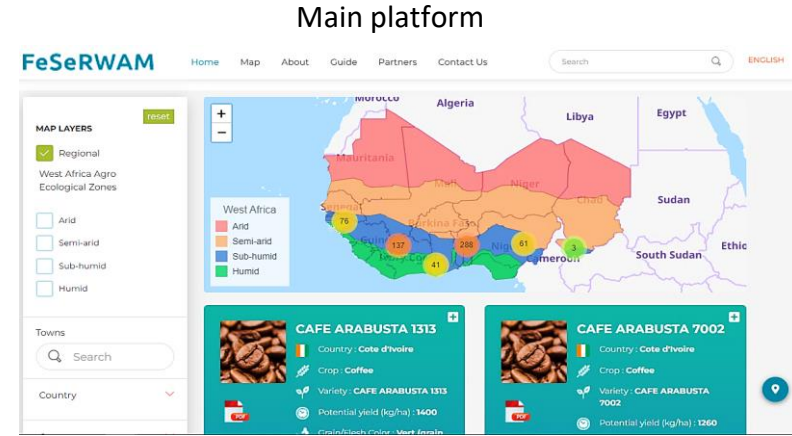
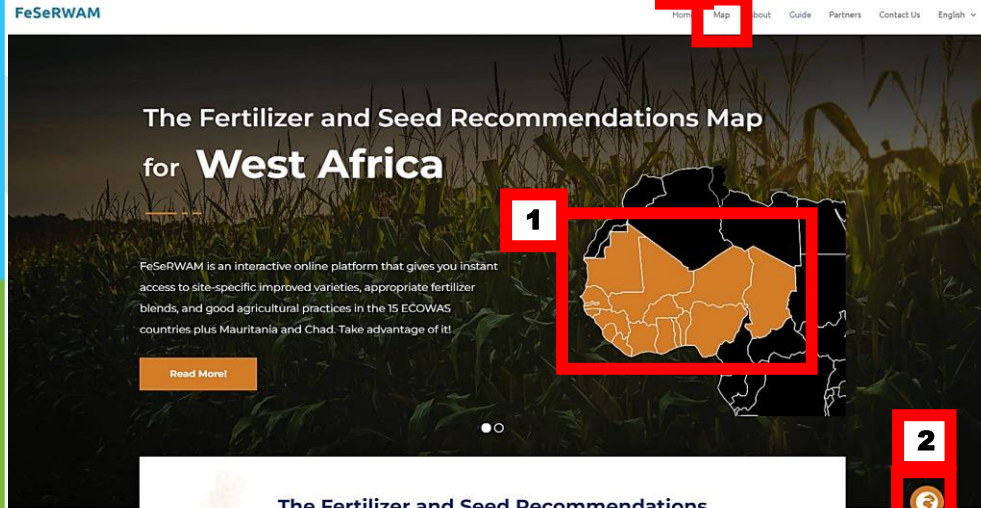


How Access to the main platform

3

Users can navigate to the main platform by:

- 1** Selecting a country in which the user wants to get AIP from
or
- 2** Clicking on the map icon to land on the main platform
or
- 3** Clicking on the map option in the list on of the menu



1. **Map**, the feature allows you to display your Agro-Ecological Zone and to get recommendations based on location
2. **Filters**, This panel provide many options to filter Agro Input Packages
3. **Free Search**, The search option pull packages based on the world searched in a systematic way
4. **AIPs**, List of Agro Input Packages based on user selection
5. **Languages**, this button allow to translate have the platform in different languages (English, French and Portuguese)

<https://test.feserwam.org/>

The screenshot shows the FeSeRWAM platform interface. The URL <https://test.feserwam.org/> is at the top. The interface includes a navigation bar with links: Home, Map, About, Guide, Partners, and Contact Us. A search bar is located in the top right corner. The main content area is divided into two sections. The left section, labeled 'MAP LAYERS', contains a 'reset' button and a list of 'West Africa Agro Ecological Zones' with checkboxes for 'Regional', 'Arid', 'Semi-arid', 'Sub-humid', and 'Humid'. Below this is a 'Towns' section with a search bar and dropdown menus for 'Country', 'Crop', 'Varieties', and 'Fertilizers'. The right section displays a map of West Africa with colored regions and a legend. Below the map, two product cards are shown: 'CAFE ARABUSTA 1313' and 'CAFE ARABUSTA 7002'. Each card includes details such as 'Country: Cote d'Ivoire', 'Crop: Coffee', 'Variety', 'Potential yield (kg/ha)', 'Grain/Flesh Color', and 'Nutrient Requirement'. A language selection button is located in the bottom right corner.

1. Map

2. Filters

3. Free Search

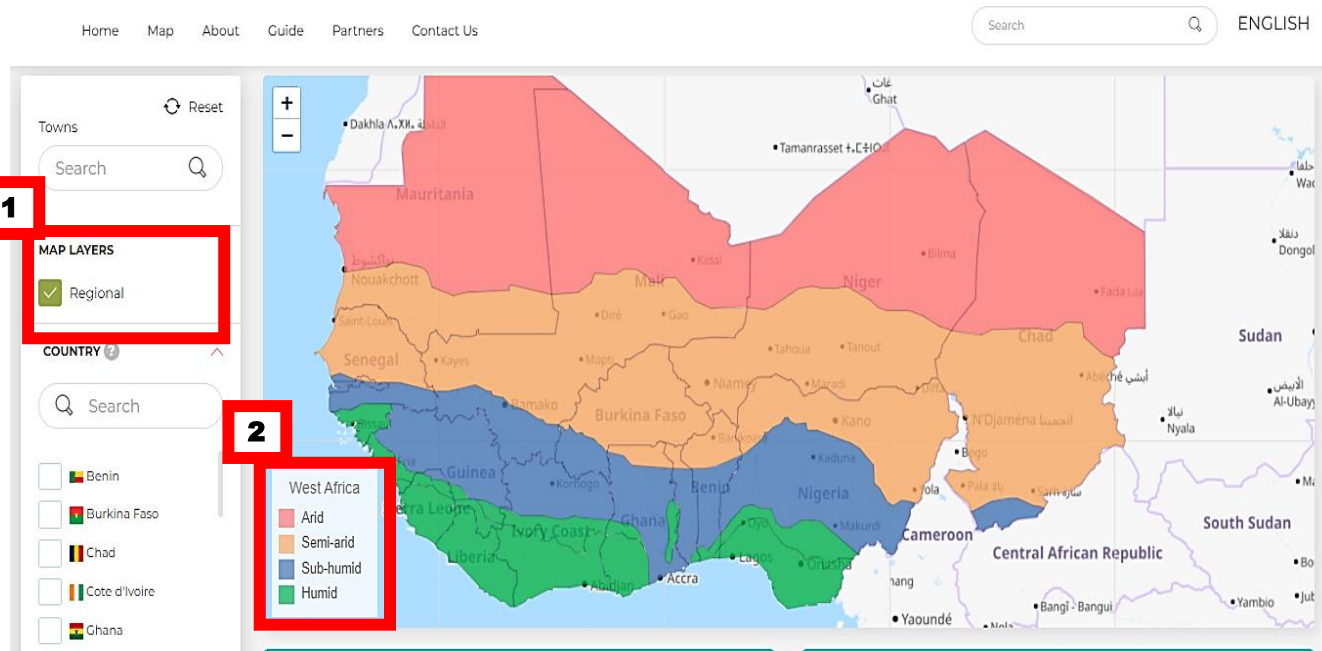
4. AIPs

5. Languages

West Africa Fertilizer and Seed Recommendations

Regional Agro-Ecological Zone

1. **Map layers**, the feature displays Agro-ecological your Agro-Ecological Zone on the Map
2. **Legend**, This option allows the user to select a specific Agro-ecological zone on the map



How to select Location and CountryAEZ (Agro-Ecological Zones)

Country Agro-Ecological Zone

- Country**, the system pick by default the user country base on GPS. Users can also click on the map to select a country or choose a country in the list of countries right in the panel
- Map Layers**, The country's Agro-ecological zone is automatically picked when a country is selected.
- Towns**, The user can search directly for a specific location by entering the town name
- AEZ**, This option allows the user to select a specific Agro-ecological zone on the map

The screenshot shows the CountryAEZ web application interface. The top navigation bar includes links for Home, Map, About, Guide, Partners, and Contact Us, along with a search bar and a language selector set to ENGLISH. The main content area features a map of West Africa with various agro-ecological zones highlighted in different colors. A sidebar on the left contains several interactive elements:

- 3**: A search bar labeled "Towns" with a magnifying glass icon.
- 2**: A "MAP LAYERS" section with two options: "Regional" (unchecked) and "Country" (checked).
- 1**: A "COUNTRY" section with a "Selected (1)" indicator and a list of countries. "Ghana" is selected and highlighted with a green checkmark.
- 4**: A legend for the agro-ecological zones, including Sudan Savanna, Guinea Savanna, Transitional zone, Semi-deciduous forest, Coastal Savanna, and Rain Forest.

Below the map, there is a toggle switch for "Include Agro-input packages from other countries". At the bottom, two cards are displayed for selected agro-input packages:

- Abasafita**: Country: Ghana, Crop: Cassava, Variety: Abasafita.
- Aburo Legon**: Country: Ghana, Crop: Maize, Variety: Aburo Legon.

1. **Free Search**, the feature provides a list of AIP related to the keyword entered

West Africa Fertilizer and Seed Recommendations

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1

Search

ENGLISH

Towns

Search

MAP LAYERS

☒ Regional

COUNTRY

Search

☐ Benin
 ☐ Burkina Faso
 ☐ Chad
 ☐ Cote d'Ivoire
 ☐ Ghana

CROP

Search

☐ Maize
 ☐ Rice
 ☐ Cocoa

West Africa

☒ Arid
 ☐ Semi-arid
 ☐ Sub-humid
 ☐ Humid

06-SB-F5DT-15

Country : Mali

Crop : Sorghum

Variety : 06-SB-F5DT-15

Potential yield (t/ha) : 2

Grain/Flesh Color : White

Nutrient Requirement : 40N-17P20S-17K20

Preview

08 FAN2

Country : Mali

Crop : Rice

Variety : 08 FAN2

Potential yield (t/ha) : 8

Grain/Flesh Color : White

Nutrient Requirement : 120N-46P20S

Preview

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- 1. Preview**, This button present in a new tab of the browser the full details of the AIP selected
- 2. Selection**, the user can select multiple AIP by clicking on this frame.
- 3. Multiple selections and preview**, This option allows the user to have a count of the number of AIP preselected and preview them just by clicking the preview button

The screenshot displays a web application for selecting Agro Input Packages (AIP). It features a sidebar on the left with filters for countries (Benin, Burkina Faso, Chad, Cote d'Ivoire, Ghana) and crops (Maize, Rice, Cocoa, Cassava, Sorghum). A map of West Africa is shown at the top right, with a legend for climate zones: Arid, Semi-arid, Sub-humid, and Humid. The main area displays four AIP cards. Card 1 (06-SB-FSDT-15) is highlighted with a red box and a red '1' callout, showing a 'Preview' button. Card 2 (06-SB-FSDT-15) is highlighted with a red box and a red '2' callout, showing the card's details. Card 3 (08 FAN2) is highlighted with a red box and a red '3' callout, showing a 'Preview (2)' button. Card 4 (2000Syn EE-WSTR) is highlighted with a red box and a red '4' callout, showing a 'Select' button. Card 5 (2009 TZEE WSTR) is highlighted with a red box and a red '5' callout, showing a 'Select' button.

AIP Preview

1. Download, Click on the button to download in Pdf format the particular Agro Input package previewed.



Click here to download

1

FeSeRWAM

AGRO-INPUT RECOMMENDATIONS FOR

COFFEE

WEST AFRICA AGRO ECOLOGICAL ZONES

HUMID

CROP DETAILS

Variety Name:	CAFE ARABUSTA 1313
Local Name	CNRA-Caf Ara 02
Seed Type	Clone
Quantity of seed (kg/hectare)	1500 boutures /ha - kg/ha
Spacing	1333 pieds / ha
Grain/Flesh Color	Vert (grain de café)
Optimum planting/sowing Period	Mai juin
Production System	Pluvial
Cycle Sowing to maturity (number of days)	A partir de 1 an

FERTILIZER RECOMMENDATION

Agro Ecological Zones:
(Côte d'Ivoire)

Application rate and period

- 550kg/ha of NPK 12-6-20+4MgO, Mars avril et septembre - octobre
- 350kg/ha of NPK 20-10-5, Mars avril et septembre - octobre
- 250kg/ha of Urea, Mars avril et septembre - octobre

Good Agricultural Practices & Management

Soil and Water Conservation	Deune plantation : nettoyage manuel (à la machette) uniquement, 6 fois par an ; paillage des plants par l'herbe issue du nettoyage)
Method of fertilizer application	Epannage en couronne (30cm - 1,5m autour du pied) L'apport a lieu en mars avril et en septembre. Epanner en couronne autour du pied. Le rayon de la couronne augmente avec l'âge : 30 à 60 cm pour les jeunes plants et 60 à 100 cm pour les plants adultes. L'épannage de la fumure minérale se fait en couronne autour du plant dans un rayon de 30 cm à 1,5 m selon l'âge de la plantation. En année de plantation, l'épannage se fait en juillet (plantation mai juin) ou en septembre (plantation juillet août) ; apport de 50g par

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