

Bureau for Resilience, Environment, and Food Security

INITIAL ENVIRONMENTAL EXAMINATION AMENDMENT

PROJECT/ACTIVITY DATA	
Project/Activity Name:	Feed the Future Innovation Lab for Horticulture 2
Geographic Location:	Central America - Guatemala
Amendment (Yes/No), if Yes indicate # (1, 2):	Yes - Amendment #5
Implementation Start/End Dates (FY or M/D/Y):	10/1/2021 – 09/30/2026
Specify Amended End Date:	September 30th, 2026
Solicitation/Contract/Award Number:	7200AA21LE00003
Implementing Partner(s):	University of California, Davis
REFS Tracking ID:	REFS-24-02-005
Tracking ID of related IEEs:	Core IEE: <u>BFS-20-03-002</u> , Amendment #1: RFS-23-09-004, Amendment #2: RFS23-09-005, Amendment #3: RFS-23-09-006, Amendment #4: RFS-23-09-010
Tracking ID of Other, Related Analyses:	None

ORGANIZATIONAL/ADMINISTRATIVE DATA

REFS Implementing Office:	REFS Center for Agriculture-Led Growth (CA)
Other Involved Operating Units:	USAID/Honduras, USAID/Guatemala
Prepared by:	Daniel Bailey (USAID), Archie Jarman (UC Davis)
Date Prepared:	2/15/2024

ENVIRONMENTAL COMPLIANCE REVIEW DATA	
Analysis Type:	Initial Environmental Examination (IEE) Amendment
Environmental Determination:	Categorical Exclusion; Negative Determination with Conditions
IEE Expiration Date:	September 30th, 2026
Climate Risk Management Analysis:	low / medium

PROJECT/ACTIVITY SUMMARY

This amendment amends the Feed the Future Innovation Lab for Horticulture 2 Core IEE: <u>BFS-20-03-002</u> to allow the use of inorganic fertilizers in research activities in an ongoing activity. Fertilizers will be used according to established guidelines and environmental safeguards. The table below specifies fertilizers financed by USAID.

All other information, environmental determinations, and terms described in the original IEE and Amendments remain in effect and must be followed by the Implementing Partner.

CLIMATE RISK MANAGEMENT

No new climate risk determination is identified, and the Climate Risk Screening table in RFS-23-09-010 is still valid. This amendment covers the addition of fertilizer use at the test locations and with a limited number of farmers participating in the research.

IMPLEMENTATION

In accordance with 22CFR216 and Agency policy, the conditions and requirements of this document become mandatory upon approval. This includes the relevant limitations, conditions and requirements enumerated in this document and the original IEE.

Approval:	Jennifer Tikka Jennifer Tikka, REFS Center for Agriculture-Led Growth Director	_2/26/2024 Date
Clearance:	<u>Daniel Bailey</u> Daniel Bailey, A/COR	<u>_2/20/2024</u> Date
Clearance:	<u>Faith Bartz Tarr</u> Faith Bartz Tarr, REFS/CA, Climate Integration Lead	
Concurrence:	William Thomas, REFS Bureau Environmental Officer	Date

Product Name/Type	Organic or Inorganic	Application
Magnesium Sulfate	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
Calcinit	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
Potassium Nitrate	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
Phosphoric acid	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
20N-20P-20K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
15N-15P-15K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
19N-4P-19K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
12N-11P-18K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
20N-20P-0K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then

Table 1. List of Requested Fertilizers in this Amendment

		covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
18N-46P-0K	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
Muriate of Potassium (ON-OP-OK)	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.
Urea	Inorganic	The inorganic material will be applied during the preparation of the culture bed. It can be placed in a narrow trench in the center of the bed and then covered with soil or applied at the rootzone. The soil preparation is done manually using a hoe.