



# Bureau for Resilience, Environment, and Food Security

## INITIAL ENVIRONMENTAL EXAMINATION AMENDMENT

### PROJECT/ACTIVITY DATA

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

### ORGANIZATIONAL/ADMINISTRATIVE DATA

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

### ENVIRONMENTAL COMPLIANCE REVIEW DATA

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



Table 1. List of Requested Fertilizers in this Amendment

<b>Product Name/Type</b>	<b>Organic or Inorganic</b>	<b>Application</b>
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

		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 (0N-0P-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.
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.