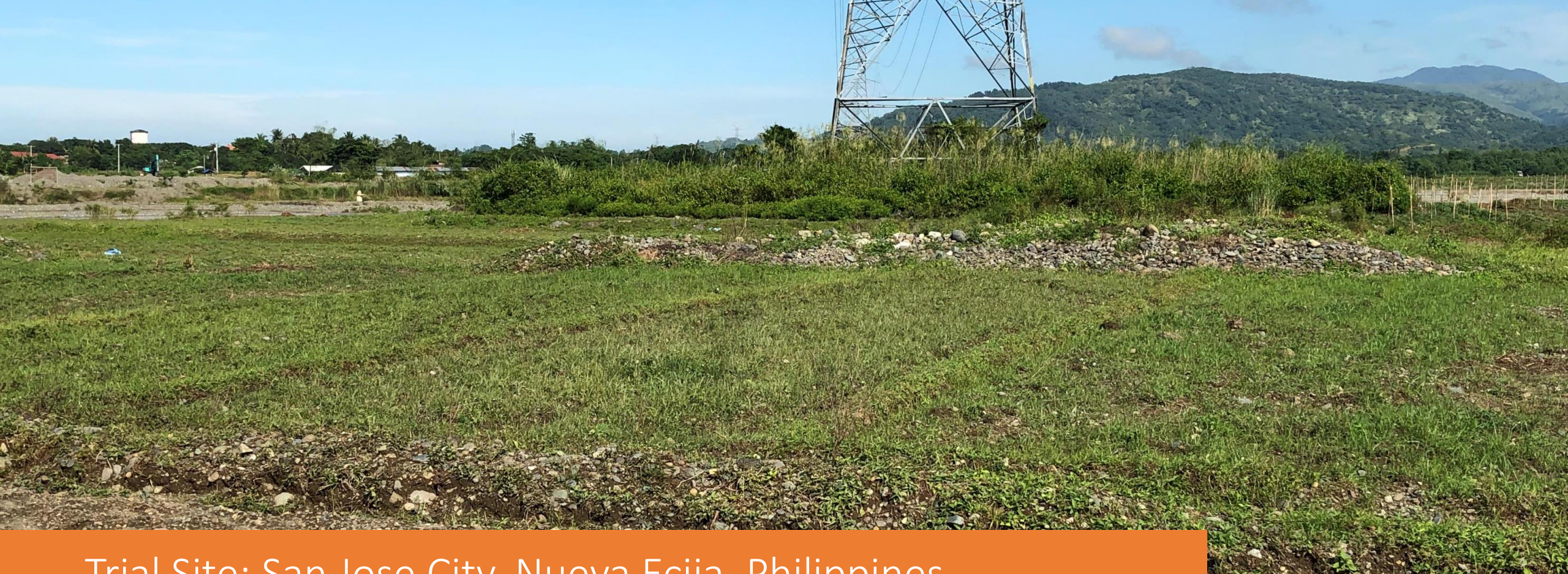




TRIAL ON ONION FIELD

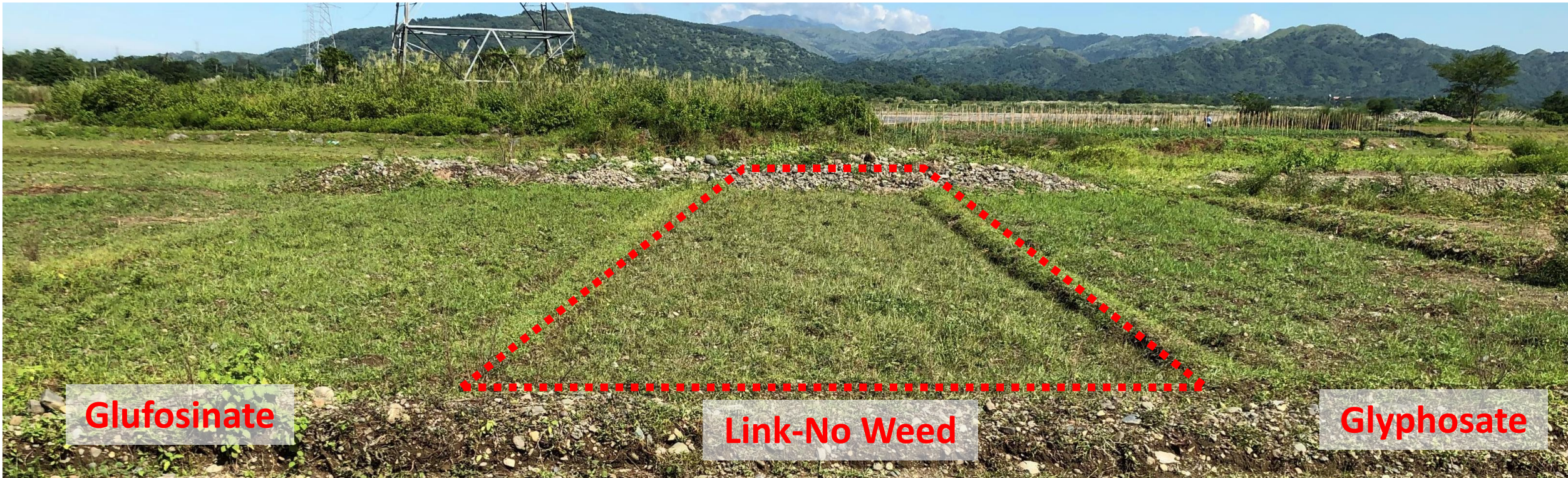
San Jose, Nueva Ecija,
Philippines

Link No Weed



Trial Site: San Jose City, Nueva Ecija, Philippines

- Plot used for trial will be used for planting onion later after clearing and land preparation.
- Approximate Plot Size: 5m x 15m per plot.
- Link-No-Weed was tested side by side with Glyphosate 75.7 WSG and Glufosinate 20%SL



Trial Plot for Herbicide Test (15 minutes after application)

- Application Date: October 3, 2019
- 15 minutes after application, Link-No-Weed already had effect on some of the broadleaf weeds. Leaves started to show burning symptoms.
- Glyphosate and Glufosinate did not show effect on the same day.

LINK-NO-WEED ORGANIC HERBICIDE



- Dosage: 300ml/16L (max)
- Sprayed on a hot day but heavy rain later in the afternoon (2-3 hours after spraying)

Weeds Present During Time of Application

- Grasses
- Sedges
- Broadleaves



Weeds Present During Time of Application

- Grasses
- Sedges
- Broadleaves



Weeds Present During Time of Application

- Grasses
- Sedges
- Broadleaves



Link-No-Weed

15-30 Minutes
After Application

- Some broadleaf weeds were heavily burned on the leaves and stems shortly after application.



Link-No-Weed

15-30 Minutes
After Application

- Leaves darkened and curled and eventually dried.



Link-No-Weed

15-30 Minutes
After Application

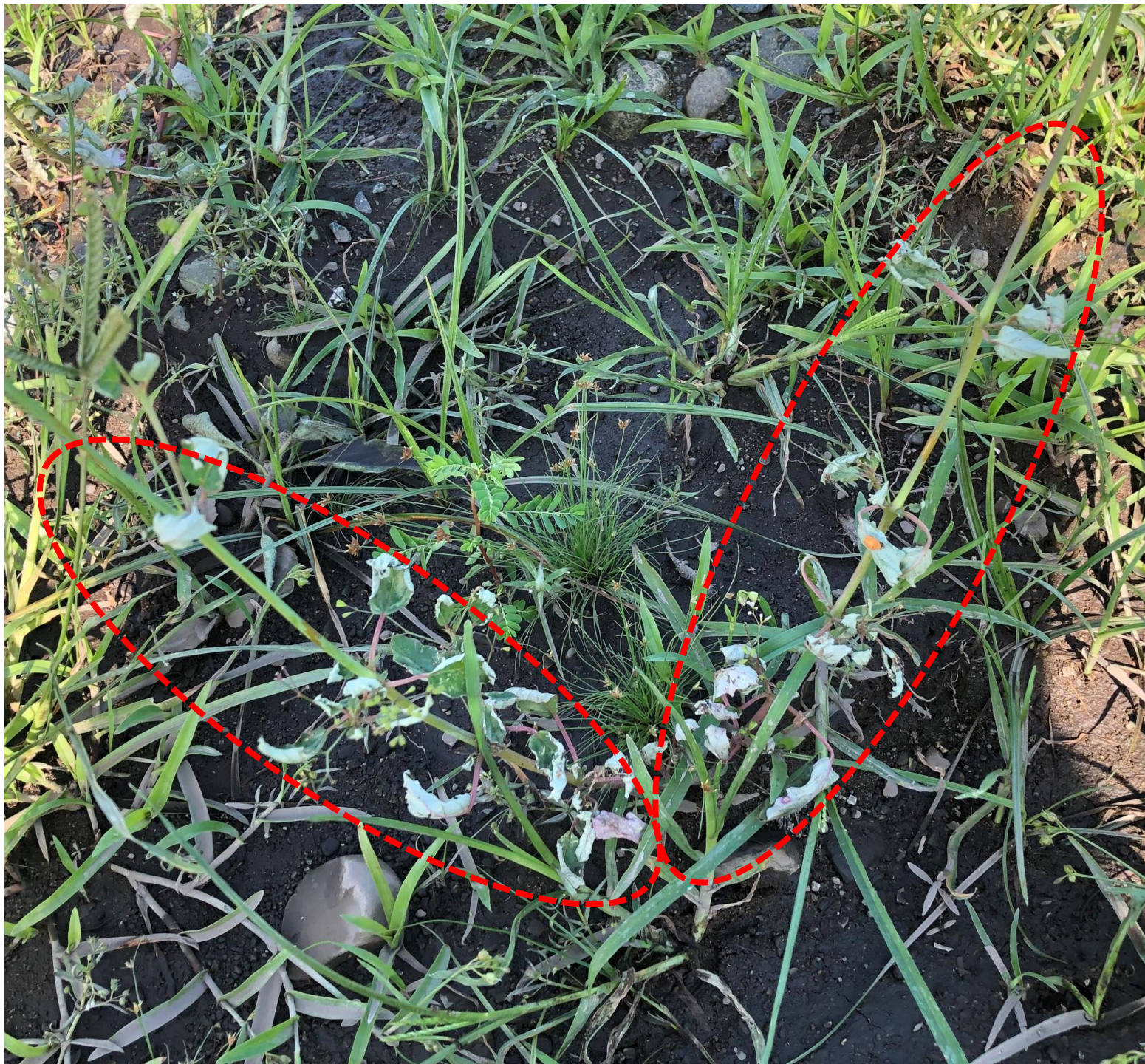
- These broadleaves showed burning reaction very fast. Never recovered and were eventually killed after several days .



Link-No-Weed

15-30 Minutes
After Application

- Leaves of another broadleaf weed species showed signs of wilting. But these weeds recovered after a few days.



Link-No-Weed

1 Day
After Application

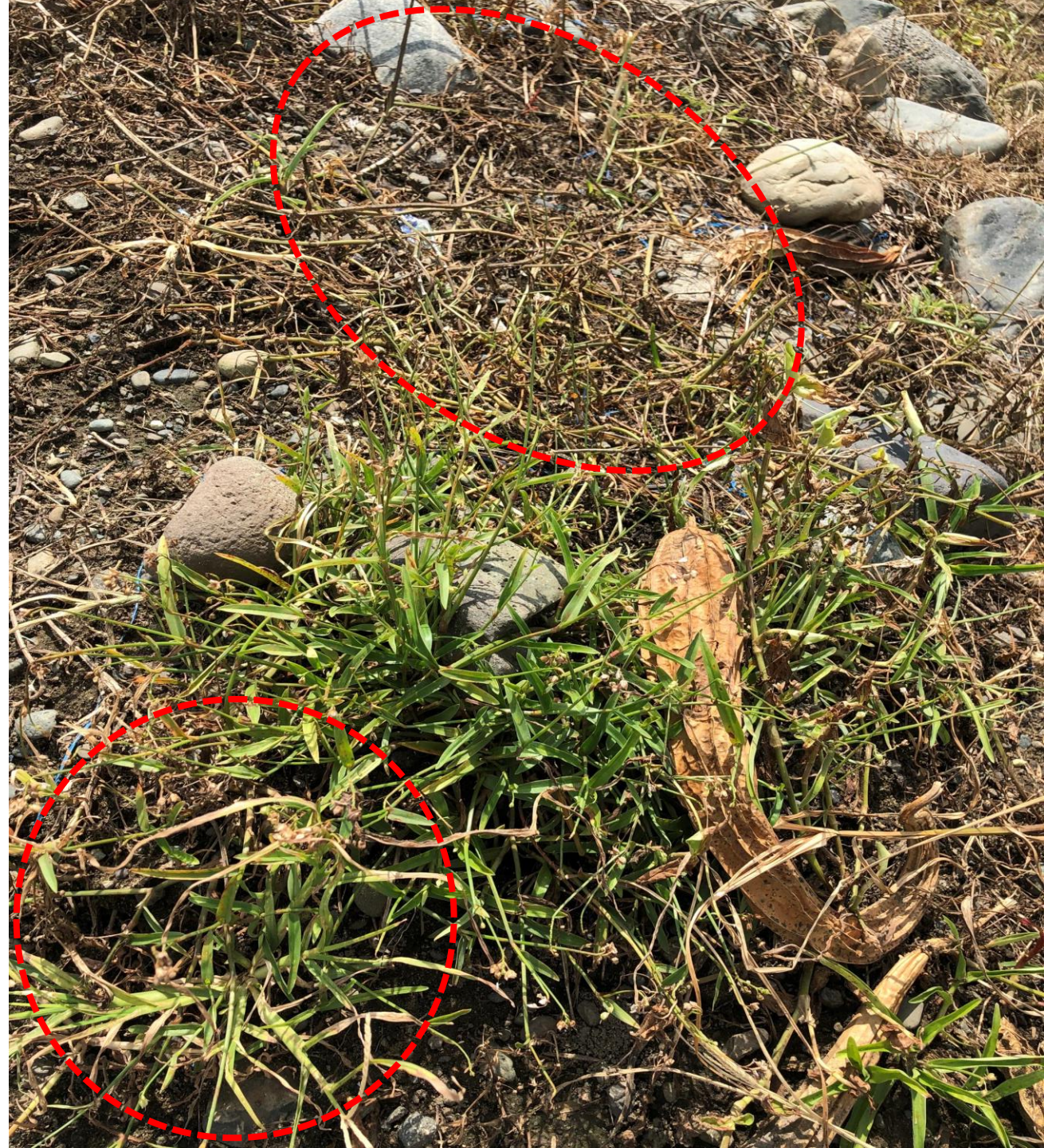
- Leaves of some broadleaf weed species showed signs of wilting. But these weeds recovered after a few days.



Link-No-Weed

1 Day
After Application

- Some smaller/younger grass weeds were burned on the leaves.



Link-No-Weed

1 Day
After Application

- Leaf tips of some bigger grasses were burned but majority of the weed plant parts were not affected.



Link-No-Weed

1 Day
After Application

- Some weeds were not affected at all



Link-No-Weed

4 Days
After Application

- Leaf tips of grasses, sedges and broadleaf weeds were burned. Also, yellowing was observed.



Link-No-Weed

4 Days
After Application

- Some smaller grasses eventually died, while some broadleaves just shown yellowing and recovered after a few days.



Link-No-Weed

4 Days
After Application

- Bigger grasses also showed some yellowing and tip burn. However, these weeds recovered after a few days.



Glyphosate 75.7 WSG

- Bigger grasses also showed some yellowing and tip burn after 1 day. These weeds dried up after a few days.



Glyphosate 75.7 WSG

- Other grass species also showed some yellowing and tip burn after 1 day. These weeds dried up after a few days.



Glyphosate 75.7 WSG

- Smaller weeds died after a few days.



Glyphosate 75.7 WSG

- Other weeds species died after a few days.



Glyphosate 75.7 WSG

- Other weed species also showed some yellowing and wilting symptoms after 1 day. These weeds dried up after a few days.



Glyphosate 75.7 WSG

- Most smaller weeds died after a few days.



Glufosinate 20% SL

- Bigger grasses also showed some yellowing and tip burn after 2-3 days. Some eventually dried up but some of these weeds recovered after a few days.



Glufosinate 20% SL

- Bigger broadleaves also showed burning and yellowing after 2-3 days. Some of these weeds never recovered, while some did after a few days.



Glufosinate 20% SL

- Smaller weeds were burned after 2-3 days, some never recovered.



Glufosinate 20% SL

- Some grass weeds were burned and dried up eventually, but some recovered after a few days.





Link No Weed

Preliminary Trial Summary

- For the Link-No-Weed, the initial burning effect on weed, especially on some broadleaves, was good. However, after a few days, there was many weed re-growth and recovery. Also some grass weeds were not affected at all.
- We compared the result to Glufosinate 20%SL. The effect of Glufosinate was slower, it took 2-3 days to see the yellowing and some wilting. However, the killing effect of Glufosinate lasted several days after application.
- Glufosinate had fewer weed recovery and re-growth than Link-No-Weed after several days.
- Some necessary improvement in trial procedure needs to be done:
 - Addition of adjuvant to Link-No-Weed for better effect.
 - Test other rates