



REFORESTATION PROJECT UPDATE

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GOAL

PLANT 1 MILLION TREES IN FIVE YEARS

- Promote and educate public on reforestation efforts of the partnership
- Assist communities and landowners with sustainable forestry practices
- Remove pressure from relict forests (monarch winter habitat)



An aerial photograph showing a clearing in a forest. A dirt road winds through the trees, leading to a small building with a green roof. The surrounding forest is dense with green trees. The clearing is a mix of bare earth and sparse vegetation.

PROJECT ACCOMPLISHMENTS

2022 planting site San Felipe Tzintzun,
Salvador Escalante - 70% survival rate

1,400,000 TREES PLANTED

As of 2023

This partnership also creates economic empowerment. The staff at Vivero Forestal Hacienda La Cruz tree nursery comprises of 75% women, with 7 full-time, 7 part-time, and 45 seasonal team members.





1,283 hectares of land restored

3,153 acres as of September 2023

This community of Tupataro, located within the monarch butterfly overwintering buffer zone exemplifies the need for trees. Restoring areas like this removes pressure from the monarchs winter habitat.



6,029
As of 2022
Volunteers

66 COMMUNITIES IMPACTED

As of 2022

Due to severe drought, our planting season was delayed in 2023. Final numbers for communities and volunteers were not available in time for this report.





SURVIVAL RATE

65%

As this partnership moves into new communities, we are restoring areas with a high demand for trees. As pictured, this area, Irimbo, has minimal tree coverage. These sites will have lower survival rates during the first couple of years as conditions are more severe.

Additionally, new communities have a higher need for support and ongoing sustainable forestry management education. Multiple sites saw livestock infringement and improper land management (no fencing, improper waste disposal).

Other impacts - extreme drought and fires are becoming the new normal, impacting the tree survival rate for the entire region.

Good news: This is still a good average survival rate, with some sites as high as 90%.

STATE OF THE MONARCH

In July 2022, monarch butterflies were declared endangered by the IUCN.

An attempt in 2020 to list the monarchs as endangered as part the Endangered Species Act failed but a new determination is expected in 2024.

In 2023, the monarch population dropped 22% after a modest increase in 2022.

Leading causes continue to be commercial use of pesticides and herbicides, climate change, winter habitat loss, and complications with migration.

The winter habitat itself is still under threat due to illegal clearing and fires. Some climate change models share that the winter habitat may be under significant stress from heat and drought, which causes them to be vulnerable to insects, disease, and fire. Our monitoring data over the last two years reflects these predictions.





THANK YOU