

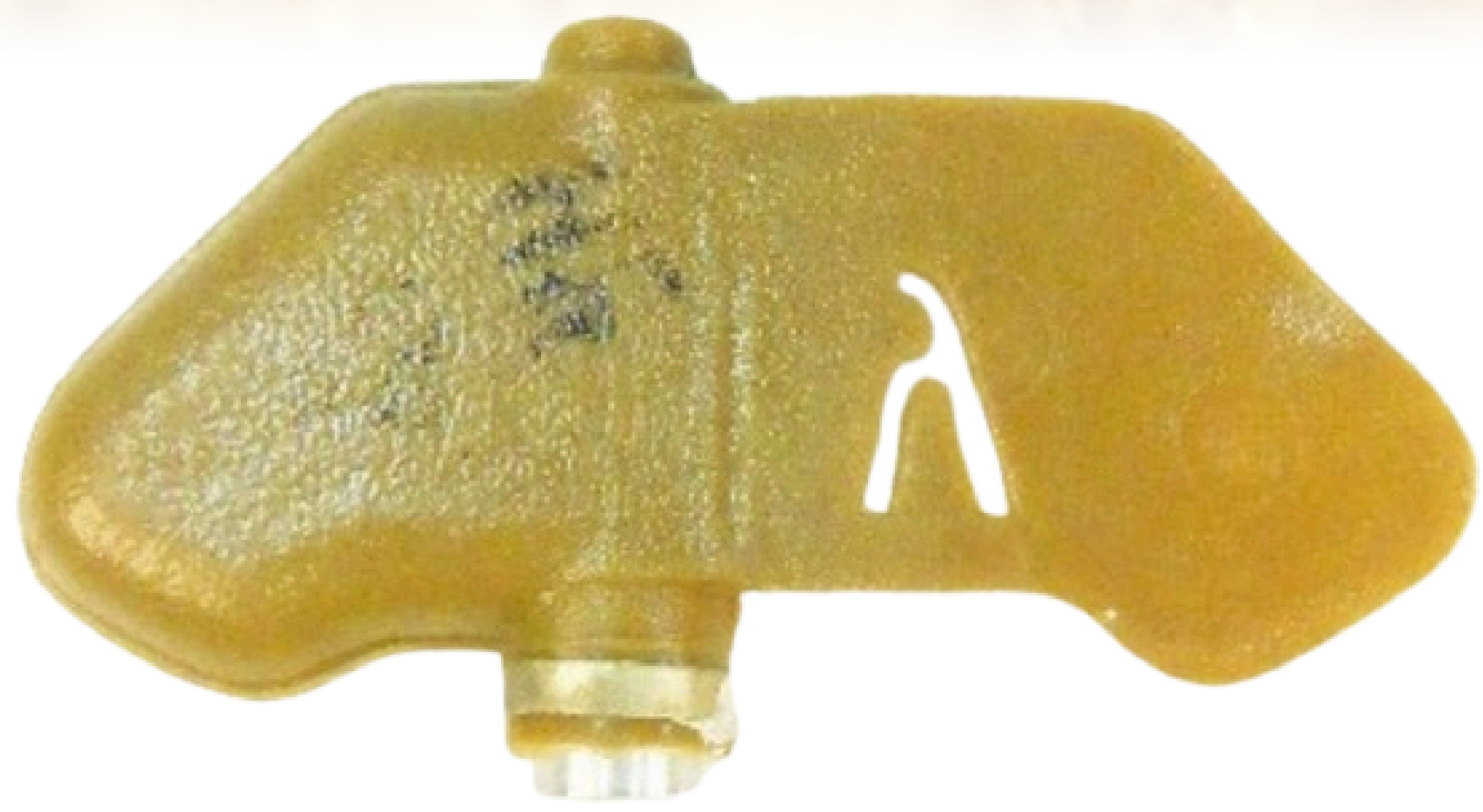
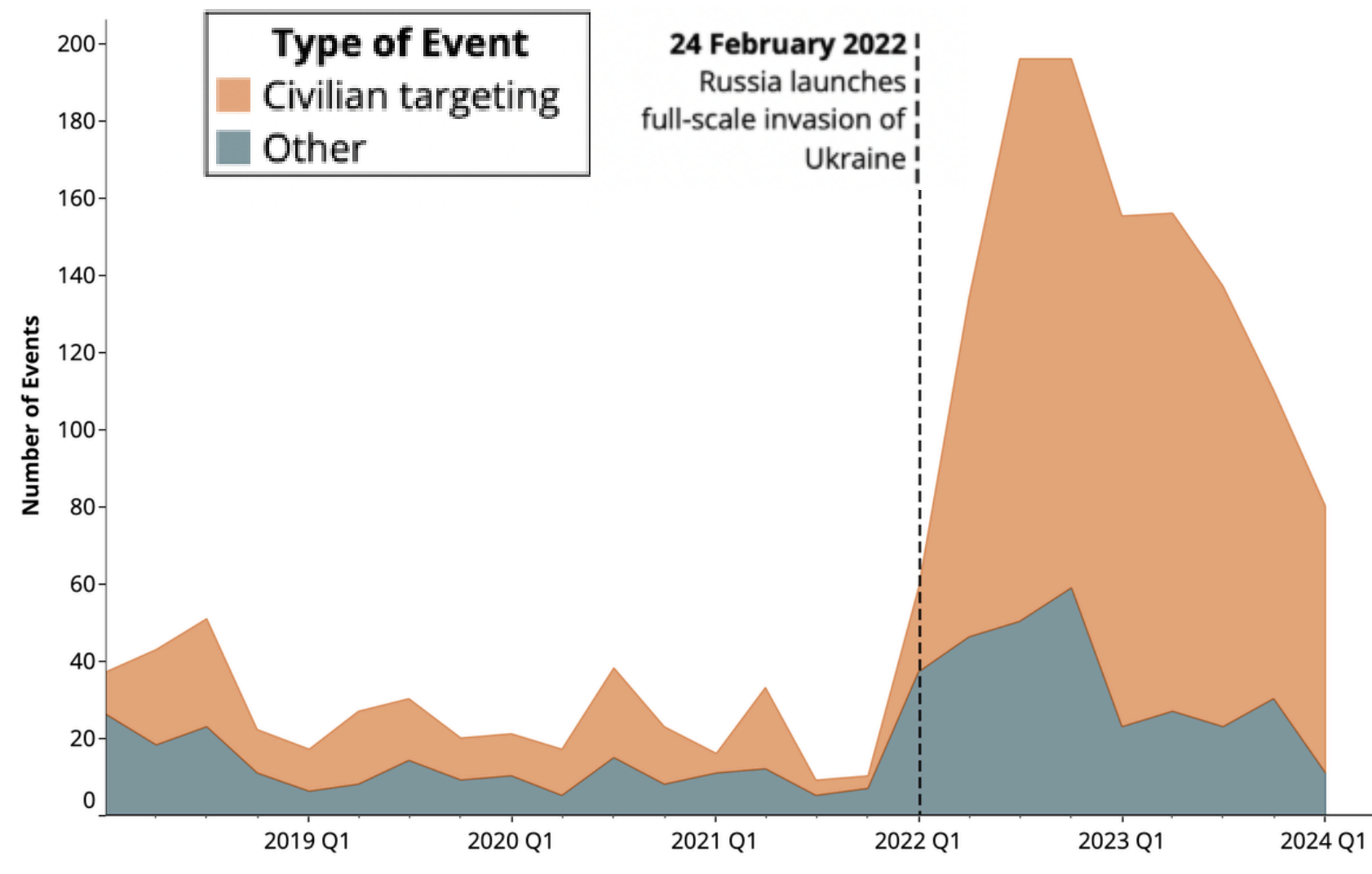
CLEARPASS

SAFE FIELDS • SECURE HARVESTS

How might we reduce the humanitarian impact of UXOs on farmers in Ukraine?

The Problem

- Unexploded bombs (UXOs) have existed for years in Ukraine
- The recent Russia-Ukraine war has significantly increased contamination
- Farmers are unable to safely farm or expand operations

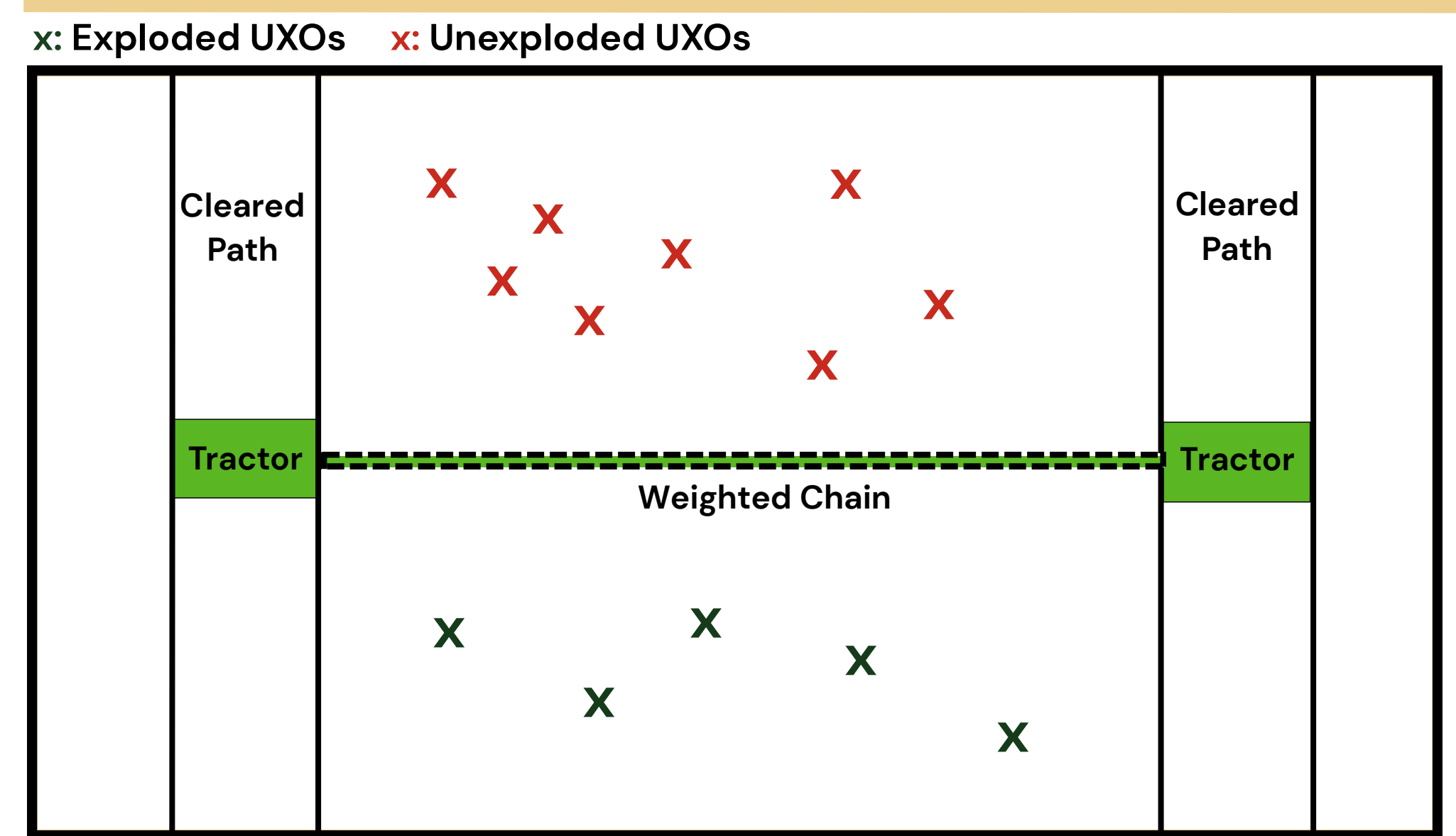


Butterfly Mines: The most common UXO in Ukraine

The Impact

- \$11 Billion in annual GDP lost
- \$1 Billion in lost government revenue
- 90% of Ukrainian Farmland affected

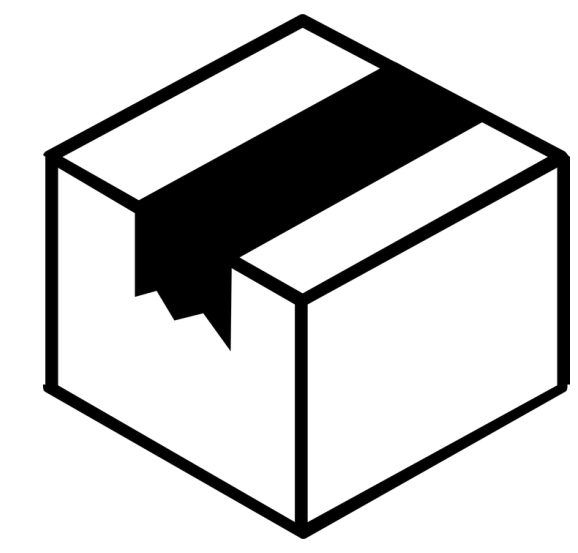
Solution Diagram



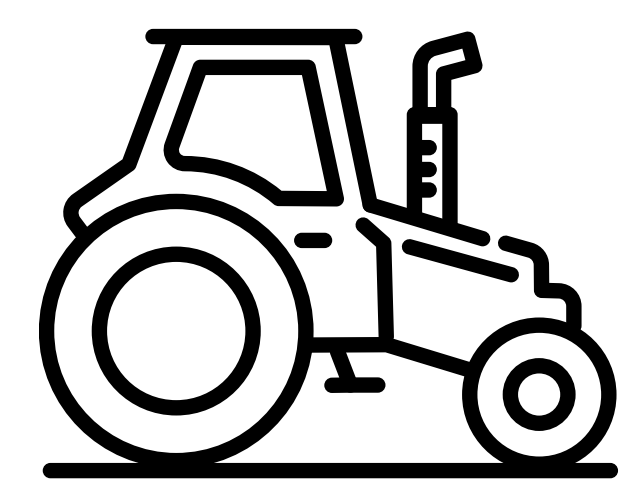
Our Solution

- Professional deminers clear a path for tractors to drive over
- The weighted chain attached to the tractors triggers the UXOs
- After multiple passes, the area is fully cleared
- Land is now farmable

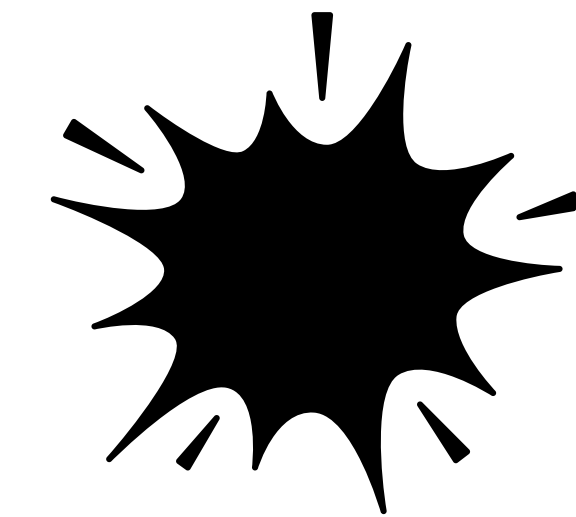
How ClearPass Works



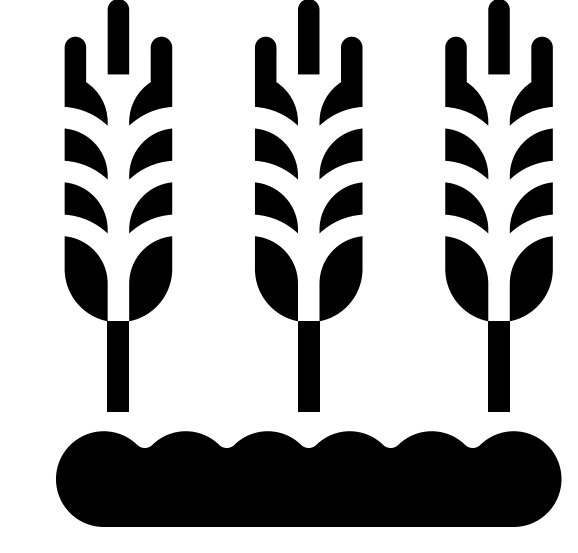
An NGO ships ClearPass to a farmer



ClearPass is dragged over a field



The weights hit and clear mines



The field can be used for planting again

The Advantage

- ClearPass saves both cost and time efficiency when compared with traditional demining methods, making it viable for nonprofits with limited budgets.
- Fewer specialized professionals are needed compared to current solutions, allowing nonprofits to conduct more operations simultaneously.