

Gro-Mars

Description of Notable Field Elements

GRO-BEDS

There are two alliance and one fertilized gro-bed that are TranPak pallets 48”L x 40”W x 6.06”H, weighing 42 lbs and having 120 lbs of weight added, potentially requiring multiple gro-bots to move. The fertilized gro-bed has round 3.5” furniture moving pads glued to the bottom.

PLANTS

Plants are represented by 0.3 lb green 8” PVC pipes with an external diameter of 4.515” and an internal diameter of 3.998”.

VERTICAL HYDROPONIC FARMS

Each alliance's vertical hydroponic farm (VHF) has 6 sets of chains attached to the top and bottom of the frame at 28” intervals. 7” tall wooden blocks are spaced at heights of 21”, 42”, and 70” on the chains. The middle and bottom blocks are anchored to the top of the VHF with 0.125” diameter bungee cords. All blocks have 9” long wooden pegs angled at 17°. A safe zone is defined around each VHF.

CARGO DROP

Human players roll plants onto the field through a recessed chute in the cargo drop. There is a safe zone around each cargo drop, defined by a raised bump, which limits plant rolling.

GRO-BAY

Each alliance's gro-bay is 3’H x 21.67’L x 4’W, constructed from 4” thick rectangular steel beams and a 2” diameter steel rod. The top is made from plexiglass supported by a steel frame. This is supported by two rectangular steel legs bisected by a support bar and have a triangular anti-tipping brace. The 1.5”W plywood rear wall is anchored to the driver station wall.

SPRINKLERS

Two truss structures support 6.5’ long chains hung at 1’ intervals, 9’ high beginning at the field’s edge and ending at opposing corners of the fertilized gro-bed. The chains have a 2.5’ gap between their ends and the floor.