
Appendix A: Bait Order and Manufacture

Bait product

The bait product selected for this operation is Brodifacoum-25D Conservation (EPA registration number 56228-37; Puerto Rico Depart. of Agriculture registration number 11-1320-3) manufactured by Bell Labs Inc., Madison, Wisconsin; this product is specifically manufactured for use in dry environments. The active ingredient, brodifacoum, is presented at 25 ppm (0.0025%) in a 2.0g pellet with an inert grain matrix; the pellets are colored green.

1.1.1 *Bait transport*

Bait packaging and labelling

Following manufacture, bait will be packed by Bell Labs in 50lb (22.7kg) paper walled bags. Fourteen 50 lb bags will be placed inside a Buckhorn® Fixed Wall container (“pod”). Thirty-five pods in total will be required for the project. Each bag of bait will be labeled following EPA requirements, and stamped with a batch reference code (as per Bell Lab standard). Bait pods will be packed with sufficient desiccant to reduce humidity inside. Each bait pod will be labeled on one outer side with a unique identification (ID) number that relates to the batch reference code of the bait bag packed inside. One outer side of each bait pod will also be labeled with the appropriate pesticide storage warning label.

Pods will be loaded into two 20 ft shipping container for sea freight shipment to Puerto Rico. One container will store 18 pods of toxic bait, and one spreader bucket and the other container will store 17 pods of toxic bait , one buckets, and one pod of inert bait (Table 1.) This separates the bait that is required for each application, reducing potential biosecurity risk by minimizing the number of times the second container needs to be opened. Pods will be stacked three high.

Bait shipping: Bell Labs Wisconsin to Puerto Rico

Bait will be shipped in bait pods from Bell Labs Inc., in Madison, Wisconsin, to San Juan, Puerto Rico loaded into two 20ft sea freight containers; shipping will be by sea to Puerto Rico and arranged by Bell. A trucking company will be hired to deliver the bait directly to the staging site. Bait should arrive at staging site at least 10 days (~ March 4th) prior to implementation to ensure adequate contingency time.

Table 4. Total amount of bait required and ordered from Bell Labs, Inc., for Desecheo operations.

Total Bait Needed		Item	Purpose	Packaging	Quantity
(lbs)	(kg)				
24,004	10,888	Toxic Brodifacoum-25D pellets, green, no biomarker	Aerial application	50-lb /22.7kg bags 14 bags per pod (318 kg)	480 Bags 35 pods
600	272	Non-toxic 25D inert pellets, no dye, no biomarker	Bucket calibration	50-lb/22.7kg bags	12 bags 1 pod

Bait quality monitoring

Quality analysis will be provided by Bell Labs as proof of optimum bait quality at manufacture; samples will be collected and analyzed for brodifacoum concentration and moisture content. Moisture content is used as a proxy for deterioration or mould growth. Results will be received prior to bait being accepted on Puerto Rico. Prior to each application, the Operations Section Chief will collect three bait samples from different pods and stored for later analysis if needed.