



Estimated Costs to One Nursery in Southern California from Rabbit Damage

-\$10,884/yearly in direct plant loss

-at least \$12,000/yearly



Where did the rabbits hide?

- Natural brush
- Wood and recycle piles
- Bougainvillea hedges
- Under storage pallets
- Iceplant plantings on slopes
- Under trailer buildings
- Drainage pipes
- Nursery vegetation
- Under and between rocks
- In riverbed/riparian areas

Example of Common Irrigation DamageCaused by Rabbits



Drip Irrigation using Spaghetti Tubing, Medium Planting Density, 15 gal, Medium Canopy Density

Irrigation Line Covers of Various Materials were Effective in Reducing Rabbit Irrigation Damage

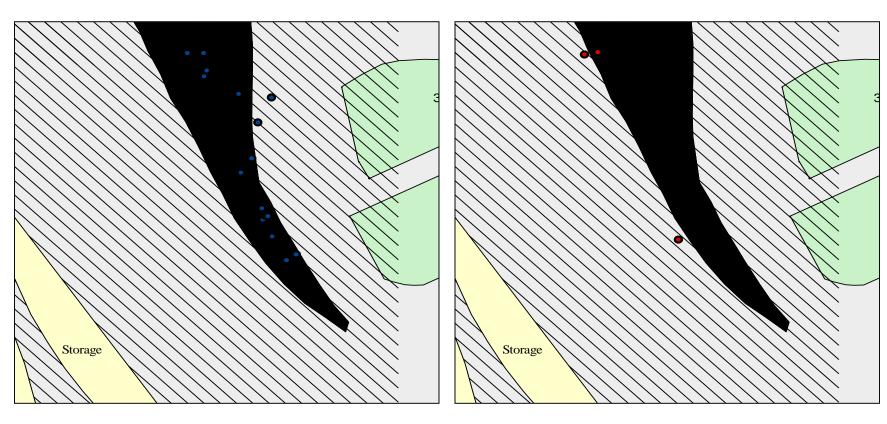


Medium planting density, 15 gal, drip irrigation, low density canopy

Spaghetti Line Covers using Recycled ¾" Poly Hose



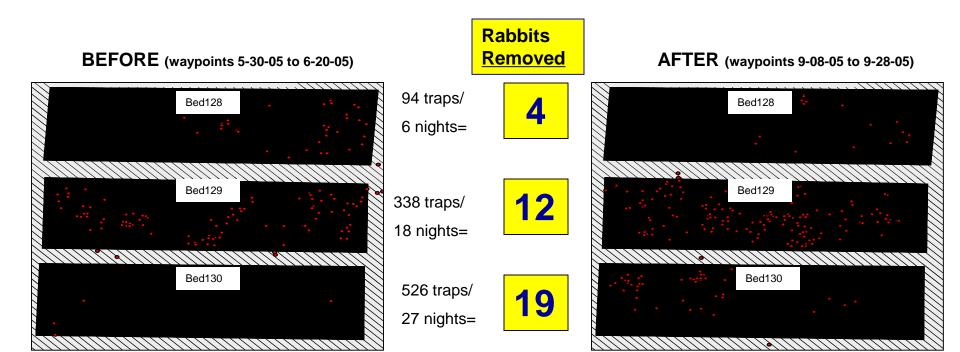
Reduction in Irrigation Damage Using Tubing Covers



Damage Waypoints-Before

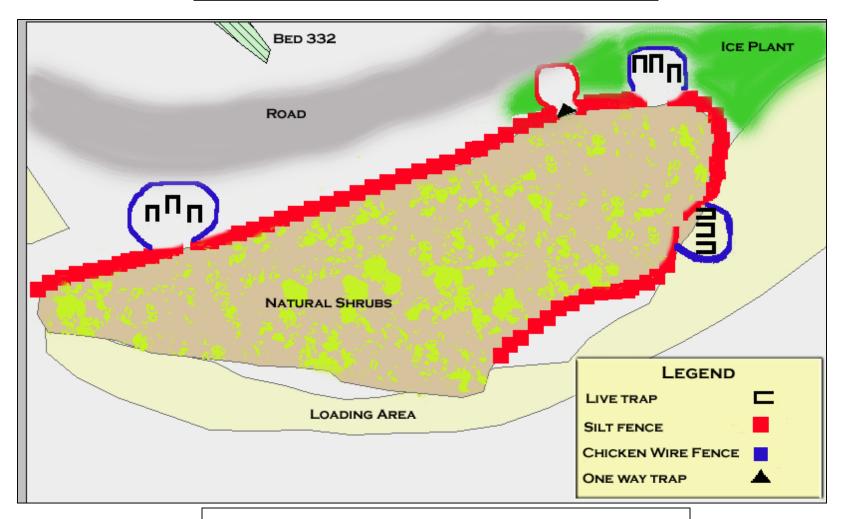
Damage Waypoints-After

Trapping for Control Test in Three beds





Silt Fence Drift Fence with Traps at Doorways



Map of Drift Fence with Traps

Habituation of Rabbits to Doorways in Drift Fence



Corral Traps



Rabbit Going thru One-Way Door

Traps Associated with Doorways and Ends of Drift Fences





Conibear Traps

Live Traps

Free-Standing Live Trap



Live traps set in bed between 5-gallon plant containers "free standing"

Catch Rates of Rabbit Trapping Program

	•	TRAP NIGHTS	CAUGHT RABBITS	MEAN CATCH/TRAP NIGHT
CORRAL	•	•	•	
	Corral (silt fence)	10	0	0
	Corral- Live Within	11	0	0
	Loose corral-Live Within	144	8	6
DRIFT FENCING				
	Doorways-Live	60	8	13
	Doorways-Conibear	104	12	11
	End of Fence-Live	68	8	12
	Along Fence-Live	104	11	12
FREE-STANDING	_			
	Live	2045	65	3

Exclusionary Fence Using Silt Fencing-An Excellent Temporary Barrier

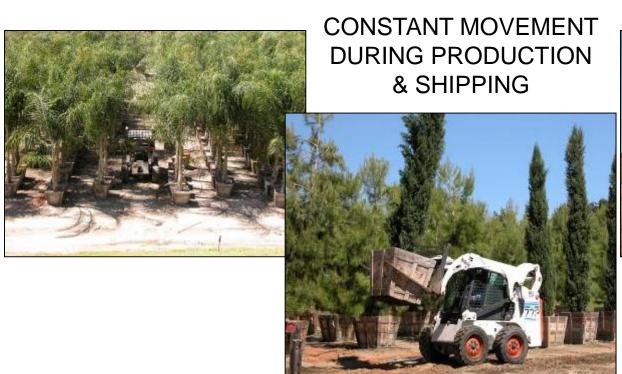




General Recommendations

- Protect & modify irrigation methods
- Develop runways using drift fence, then trap
- Exclusionary fencing where possible
- Target known rabbit harborages for modification and turnover

Impracticality of Fencing and Irrigation Line Covers





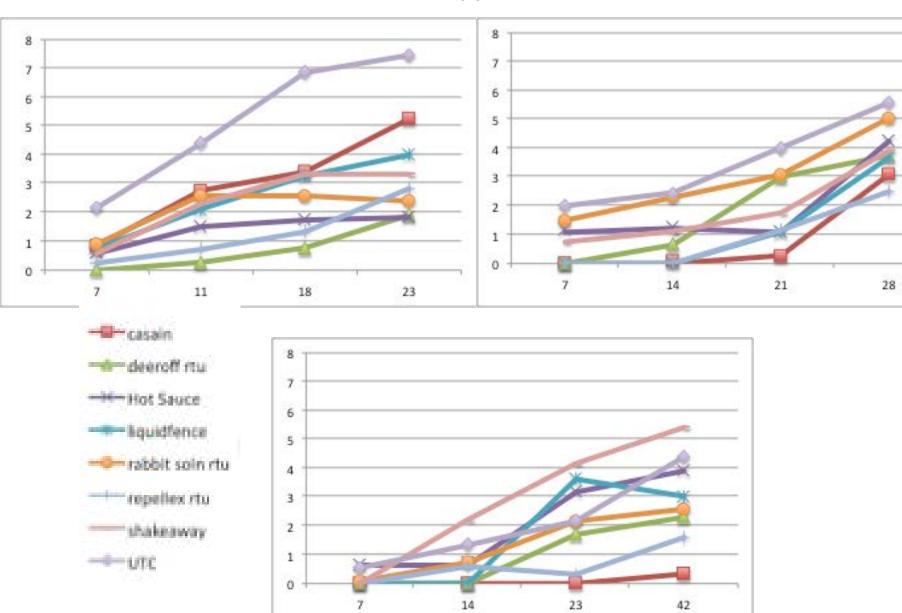
Repellents

Before After

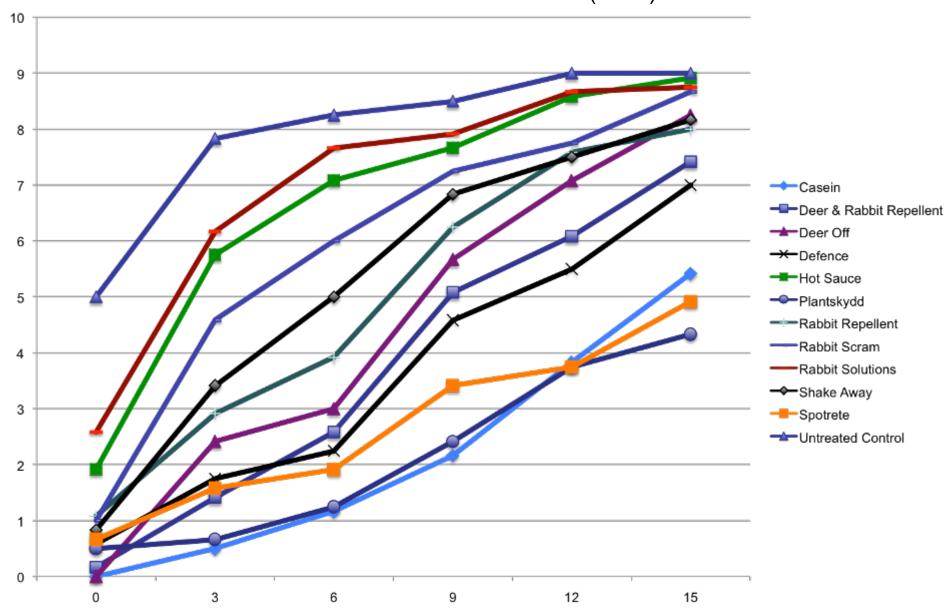








Three Trials – Combined Data (2009)



Repellents

- Repellents may be used but expect variable results
- Reapply 6-9 days
- Liquid Fence, Casein best in 2007
- Spotrete, Casein, Plantskydd best in 2009
- Most reliable management tools are 3' fencing with footing and removal of hiding places

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