Table 1. Number of trials, location of trial site, objectives of each trial, and cash crop used for demonstration during the period of October 2009 to October 2010.

No. of trials	Location	Objective	Cash crop
2	Khamphoute Farm (Kunia, Oahu)	Demonstrate sunn hemp + solarization for management of root-knot nematodes	eggplant
2	Whitmore Station (Wahiawa, Oahu)	Demonstrate sunn hemp + solarization for management of reniform nematodes	cowpea
1	Whitmore Station (Wahiawa, Oahu)	Demonstrate sunn hemp +solarization for management of reniform nematodes	pineapple
1	Kaleikoa Farms (Kualapuu, Molokai)	Demonstrate sunn hemp cover cropping for soil health management	papaya
1	Kamiya Farm (Leia, Oahu)	Demonstrate sunn hemp cover cropping for soil health management	papaya

Table 2. Weed coverage under bare ground (BG) and sunn hemp (SH) plots at 3 and 12 weeks after eggplant transplanting.

Cover cropping	Grass^z	Broad leaf	Sedge	Total
		3 weeks after eggplant planting		
BG	7.54^y a	3.91 a	1.00	8.12 a
SH	7.00 ab	2.91 b	1.00	7.16 b
		12 weeks after eggplant planting		
BG	-	-	-	4.93 a
SH	-	-	-	5.37 a

^{z} Horsfall-Baratt scale where 1 = 0%, 2 = 1-3%, 3 = 4-6%, 4 = 7-12%, 5 = 13-25%, 6 = 26-50%, 7 = 51-74%, 8 = 75-87%, 9 = 88-93%, 10 = 94-96%, 11 = 97-99%, and 12 = 100% covered.
^{y} Means for cover crop treatments are average of four replications. Means in a column followed by the same letter(s) are not different according to the Waller-Duncan k-ratio ($P< 0.05$) t-test.
'-' indicates data not recorded.

Table 3. Weed densities (number of weeds/0.09m^2) in sunn hemp (SH), solarization (Sol), sunn hemp followed by solarization (SHSol), and bare ground (BG) treatment plots in Khamphoute Trial II.

Treatment	Broad leaf	Grass		Sedge
		at planting		
BG	2.67	88.33	a	0.00
SH	2.67	112.00	a	0.00
		at cover crop termination		
BG	19.33	13.67		2.00
SH	8.00	15.67		2.00

Means are average of 3 replications. Means in a column in each sampling date followed by the same letter(s) are not different according to Waller-Duncan k-ratio (k=100) t-test.

Table 4. Nematode community indices under bareground (BG), Nemacure® (NEMA), sunn hemp (SH) at termination of the sunn hemp cover crop.

Index	BG	NEMA	SH
% Bacterivores	34.57 b	20.26 b	36.35 b
% Fungivores	10.39 a	9.72 a	10.98 a
% Herbivores	52.74 a	68.15 a	46.59 a
% Omnivores	1.66 ab	0.94 bc	4.12 a
% Predators	0.00 a	0.00 a	0.16 a
Maturity index	2.13 a	2.10 ab	1.93 ab
Enrichment index	58.45 abc	55.40 bc	71.41 ab
Structure index	53.89 a	48.74 a	44.57 a
Channel index	35.27 ab	48.04 a	20.34 ab

Means are average of 4 replications. Means in a row followed by the same letter(s) are not different according to Waller-Duncan k-ratio (k= 100) t-test.

Table 5. Nematode community indices under bareground (BG), sunn hemp (SH), soil solarization (SOL) and integration of sunn hemp and soil solarization (SH+SOL) plots at termination of SH and SOL.

Index	BG	SH	SOL	SH+SOL
% Bacterivores	32.11^z b	58.12 a	29.00 b	28.60 b
% Fungivores	09.40 a	12.16 a	09.66 a	13.01 a
% Herbivores	56.35 a	28.55 b	58.74 a	55.88 ab
% Omnivores	01.30 a	0.52 ab	0.37 b	0.52 ab
% Predators	0.09 a	0.28 a	0.34 a	0.05 a
Maturity index	01.77 a	01.41 b	01.67 ab	01.69 a
Enrichment index	72.57 b	87.28 a	65.21 b	69.19 b
Structure index	27.07 a	14.69 a	12.02 a	12.80 a
Channel index	14.84 ab	06.53 b	19.06 a	21.97 a

Means are average of 4 replications. Means in a row followed by the same letter(s) are not different according to Waller-Duncan k-ratio (k= 100) t-test.