



CRATE

# Cover Crop Chart for Hawaii

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High Elevation		Low Elevation							
Grass		Broadleaf						Grass	
A		Legume						A	
Black Oat 75 lb/acre							Sesame 4 lb/acre		
Barley 90 lb/acre							Buckwheat 20-30 lb/acre	Pearl Millet 15 lb/acre	
Cereal Rye 90 lb/acre	Canola 7-10 lb/acre	Hairy vetch 30-50 lb/acre	Woolly pod Vetch 40-60 lb/acre	Jack bean 50-60 lb/acre	Cowpea <sup>R</sup> 40-60 lb/acre <small>('CA Blackeye 5', 'Purple knuckle', 'TS Brown', 'MS Silver')</small>		Mustard 7-10 lb/acre	Oat 90 lb/acre	
Oat 90 lb/acre	Mustard 7-10 lb/acre	Bell Bean 150 lb/acre	Yellow Sweetclover 10-15 lb/acre	Velvet Bean 40 lb/acre		Soybean 50-75 lb/acre	Rape Seed 7-10 lb/acre	Black Oat 75 lb/acre	
Winter Wheat 120 lb/acre	Rape Seed <sup>S</sup> 7-10 lb/acre	Red Clover <sup>SP</sup> 20 lb/acre	White Clover <sup>P</sup> 20 lb/acre	Pigeon Pea <sup>P</sup> 40-60 lb/acre	Lablab <sup>P</sup> 11-18 lb/acre	Oil Radish <sup>S</sup> 10 lb/acre	Grain Sorghum 25-30 lb/acre		
Annual Ryegrass 100 lb/acre	Oil Radish <sup>S</sup> 10 lb/acre	Austrian Winter pea <sup>R</sup> 100 lb/acre	Alfalfa <sup>P</sup> 15 lb/acre <small>('Moapa 69')<sup>R</sup></small>	Perennial Peanut <sup>R</sup> 40 lb/acre	Sunn Hemp <sup>R*</sup> 30-60 lb/acre	Marigold <sup>R</sup> 3 lb/acre	Sorghum-Sudangrass <sup>R</sup> 35-60 lb/acre		

<sup>\*</sup> = seedig rate

A = annual; B= Biennial; P = Perennial; SP = Short-term perennial.

R = resistant to root-knot but not reniform nematode; (note: only certain cultivars are resistant to root-knot nematodes for alfalfa and cowpea; cowpea is very susceptible to reniform nematode).

S = suppressive to plant-parasitic nematodes

R\* = sunn hemp and velvetbean are resistant to root-knot and reniform nematodes; marigold, *Tagetes patula*, is resistant to root-knot and reniform, *T. erecta* is only resistant to root-knot; sesame is resistant to southern and peanut root-knot nematode (*Meloidogyne incognita* and *M. arenaria*) but not Javanica root-knot (*M. javanica*).



Sunn hemp



Oil radish



Woolly pod vetch



Sudangrass + lablab



Buckwheat



Cowpea + marigold

