

Lady's Thumb (*Polygonum Persicaria* L.), about 1/12 inch in diameter, heart-shaped, hollowed out on one side or roundly triangular, jet black, shining. Many are removed from red clover seed by cleaning over 4 by 24 woven wire screen. This plant is not seriously noxious in most field and garden crops. By cutting the plants two or three times during the season for a few years this weed may be eliminated from waste places.

Stickseed (*Lappula echinata* Gilibert) and **Wild Carrot** (*Daucus Carota* L.) while not common, are very objectionable impurities, and seed containing either should be avoided.

Canada Thistle (*Cirsium arvense* (L) Scop.), the seed is 1/8 of an inch long, light brown, smooth, somewhat flattened and curved, marked with faint longitudinal lines; the top is nearly round, flat, and has a narrow rim with a small cone-shaped point in the centre.

Chicory (*Cichorium Intybus* L.), sometimes found in Quebec red clover. The seed is 1/8-inch long, dark brown or straw-coloured, mottled with brown; wedge-shaped obtusely 3- to 5-angled, sometimes much curved; the surface grooved and ridged from top to bottom and roughened crosswise with minute, close, raised and waved lines; at the top surrounding the apical scar, is a fringe of short, flat, white bristles. A short rotation of crops will soon suppress chicory.

Sweet Clovers (*Melilotus species*). White Sweet Clover (*Melilotus alba* Desr.) is much more prevalent than the yellow species. The seed is hard, small, 1/8 of an inch in length, smooth, dull yellow, evenly egg-shaped with a V-shaped, light mark running from the scar. Although it has some value as a forage crop when used alone, in red clover it is to be considered as a weed. A three-year rotation of crops including a well-cared-for hoed crop is recommended to suppress this plant.

Mayweed (*Anthemis Cotula* L.), occurs in large numbers in some samples. Seed is 1/8-inch long, oblong, cut off straight at the upper end, with a small knob in the centre; the smaller end abruptly pointed; the surface roughened with tubercles arranged more or less symmetrically in about 10 longitudinal rows; sometimes the surface is nearly smooth. The 4 by 24 screen will remove many of these seeds from clover seed.