

MONTHS IN THE YEAR DURING WHICH HIDES ARE MOST WARBLY.

New Brunswick.....	Tanner No. 1	Early February to late July.
Nova Scotia.....	" 2	First of March to latter end July.
Quebec.....	" 3	Latter part December to early June.
	" 4	Worst March, April and May.
	" 6	January, February, March and April worst.
	" 9	February, March and April worse.
	" 11	April, May and June, slightly July.
	" 12	February, March, April and May.
Ontario.....	" 2	April, May and June.
	" 4	January to June.
	" 5	First of February to first of June.
	" 6	Middle of January to end of June.
	" 9	First of April to 15th of June.
	" 10	February to early July.
	" 12	February to June.
	" 15	Affected late October to early May, worst January to April.
	" 16	March to June.
British Columbia.....	" 1	January 1 to June 1.

The length of the warble season from the tanners' point of view extends from late January to early July, the worst period being during the month of April. From my notes made at Agassiz I find that the first larvæ emerged on April 10, and that the last were ready to come out on July 2; so that the table tallies absolutely with what I have found. The larvæ were naturally very prominent under the hides before April 10 and had perforated the skin some time before.

Nearly all tanners are agreed that the rough, long-haired, ill-kept animals are most warbly and that on the other hand well fed sleek animals are not so badly affected. Of course weak animals are always more parasitized than the strong, and cannot fight the fly as well as the more robust; but I believe that it simply means that they are at the mercy of the fly all day long whereas dairy cattle and well-bred animals are often housed during the heat of the day. Another reason is that cattle kept in or near towns will naturally be less exposed to the attacks of the fly, as there will be fewer about. Reasons for this are given later. Some of the tanners mention the fact that a wet season is beneficial in keeping down the number of grubs. The answer to this is simple. Warble flies are never seen in cold or cloudy weather. The hides coming from certain districts are mentioned as being comparatively free from grubs especially in Ontario. I am not familiar with all the places mentioned, but some of them I know are dairy centres, and the above arguments will apply to these.

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