

Simplified Guide to Bumblebees of Vermont

Females:

- 1a. Corbiculae present; some yellow hair on T1-T2 (various subgenera of *Bombus*)-----2
 1b. Corbiculae not present; T1-T2 mostly black or bare, with any yellow hairs sparse and lateral, not medial (the subgenus *Psithyrus*)-----7

- 2a. T1-T4 with yellow hair-----*borealis, fervidus*
 2b. Otherwise-----3

- 3a. Bees with red or brown on any of the abdominal segments-----
 ----- *affinis, griseocollis, rufocinctus* (red morphs), *ternarius*
 3b. No red or brown hairs on abdomen-----4

- 4a. Most or all of T1 with black hairs (hint: if your specimen comes here, again make sure it's not a *Psithyrus*)-----*auricomis, pennsylvanicus, terricola*
 4b. Otherwise; T1 usually yellow-----5

- 5a. T1 yellow, all other T's black-----*impatiens*
 5b. T1 yellow, and some yellow on any of T1-T6-----6

- 6a. T2 with varying amounts of yellow; at least some black hairs, usually on the edges-----*griseocollis, perplexus, bimaculatus*
 6b. T2 all yellow-----*affinis, rufocinctus* (black morphs), *sandersoni, vagans*

- 7a. T1-T6 black-----*variabilis*
 7b. yellow hairs somewhere on T1-T6-----8

- 8a. all hair on thorax yellow-----*citrinus*
 8b. both black and yellow hairs on thorax-----*ashtoni, insularis, fernaldae*

