

CARTOGRAPHIE DES INVERTEBRES EUROPEENS

ATLAS PROVISoire
DES
INSECTES DE FRANCE

DIPTERA TABANIDAE

par Marcel LECLERCQ
et Odette PERNOT-VESENTIN

Dirigé par Jean LECLERCQ et Charles GASPARD

Collaboration technique :

Robert DEPIREUX, Francine MATHOT, Christian WONVILLE

Edition et distribution :

FACULTE DES SCIENCES AGRONOMIQUES DE L'ETAT
ZOOLOGIE GENERALE ET FAUNISTIQUE
GEMBLOUX (Belgique)

OFFICE POUR L'INFORMATION ENTOMOLOGIQUE
(O.P.I.E.)
VERSAILLES (France)

1974

I N T R O D U C T I O N

=====

L'information de base du présent Atlas a été rapportée, en bonne partie, pour la France, dans les travaux de M. LECLERCQ (1957, 1959, 1961, 1962, 1967, 1974), de M. CARUEL (1952, 1953, 1954), E. ROMAN (1957, 1958, 1959), R. MIROUSE (1958), J. MOUCHA et M. CHVALA (1960, 1967) et dans la thèse d'O. PERNOT-VISENTIN (1972). Pour les régions limitrophes, on a disposé des mémoires de G. BOUVIER (1945) et M. LECLERCQ (1951-1971). Mais on a aussi profité de l'inventaire de nombreuses collections, notamment celles de la Faculté des Sciences Agronomiques de Gembloux, de l'Institut royal des Sciences naturelles de Belgique, du Laboratoire de Biologie animale de Besançon, du Musée zoologique de la Citadelle de Besançon, du Musée zoologique de Dijon, du Laboratoire de Parasitologie de Rennes, du Musée Zoologique de Lausanne, du Museum Alexander Koenig de Bonn, et bien sûr du Muséum national d'Histoire naturelle de Paris.

Pour la classification et la nomenclature, on a tenu compte des ouvrages les plus récents de M. LECLERCQ (1960, 1966), N.G. OLSUFJEV et M. LECLERCQ (1971) et M. CHVALA, L. LYNEBORG et J. MOUCHA (1972).

La plupart des ouvrages précités contiennent aussi des renseignements sur l'abondance, la phénologie, le comportement des espèces. Mais tout le monde sait que les taons sont d'actifs et gênants suceurs de sang, les plus répandus après les moustiques. Comme M. LECLERCQ (C.R. Soc. Biogéogr., 404, 1969, pp. 169-177) l'a exposé, c'est une raison supplémentaire, de portée épidémiologique, pour vouloir que leurs répartitions spécifiques soient bien établies et surveillées.

L E G E N D E

=====

Pour noter la présence des espèces dans les divisions du quadrillage U.T.M., trois symboles sont utilisés :



données bibliographiques, les auteurs de la carte n'ont pas vu le matériel correspondant ; presque toujours : observations antérieures à 1940 ;



captures ou observations antérieures à 1950, publiées ou non, mais certifiées exactes par les auteurs de la carte ;



captures ou observations à partir de 1950, publiées ou non, mais certifiées exactes par les auteurs de la carte.

R E P E R T O I R E

=====

CARTES 1 à 3 PANGONIINAE

- 1 - Pangonius haustellatus F.
- 2 - Pangonius mauritanus L.
- 3 - Pangonius micans MEIGEN

CARTES 4 à 17 CHRYSOPSINAE

- 4 - Chrysops caecutiens L.
- 5 - Chrysops caecutiens ludens LOEW
- 6 - Chrysops flavipes MEIGEN
- 7 - Chrysops flavipes punctifer LOEW
- 8 - Chrysops italicus MEIGEN
- 9 - Chrysops parallelogrammus ZELLER
- 10 - Chrysops pictus MEIGEN
- 11 - Chrysops relictus MEIGEN
- 12 - Chrysops rufipes MEIGEN
- 13 - Chrysops sepulchralis F.
- 14 - Nemorius fallottii KRIECHBAUMER
- 15 - Nemorius vitripennis MEIGEN
- 16 - Silvius algirus MACQUART
- 17 - Silvius vituli F.

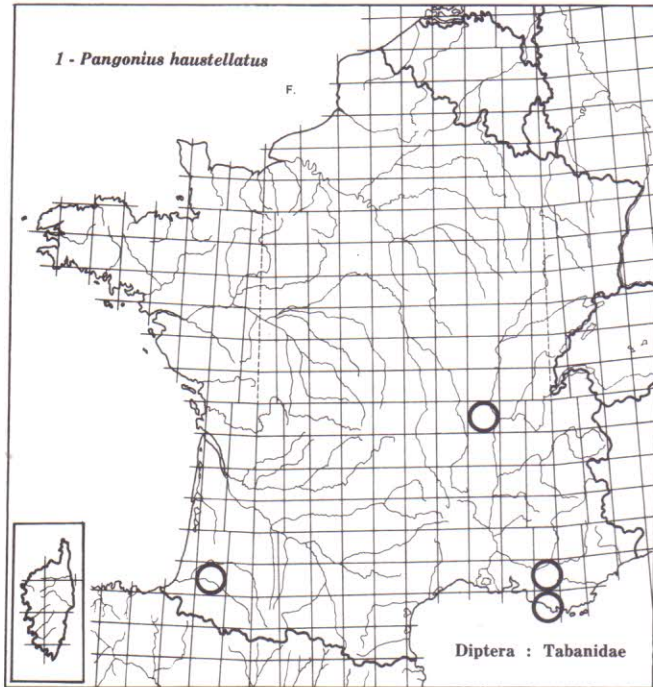
CARTES 18 à 93 TABANINAE

- 18 - Atylotus flavoguttatus SZILADY
- 19 - Atylotus fulvus MEIGEN
- 20 - Atylotus fulvus rufipes MEIGEN
- 21 - Atylotus latistriatus BRAUER
- 22 - Atylotus loewianus VILLENEUVE
- 23 - Atylotus quadrifarius LOEW
- 24 - Atylotus rusticus L.
- 25 - Atylotus sublunaticornis ZETTERSTEDT
- 26 - Dasyrhamphis anthracinus MEIGEN
- 27 - Dasyrhamphis ater ROSSI
- 28 - Dasyrhamphis tomentosus MACQUART
- 29 - Glaucops hirsutus VILLERS

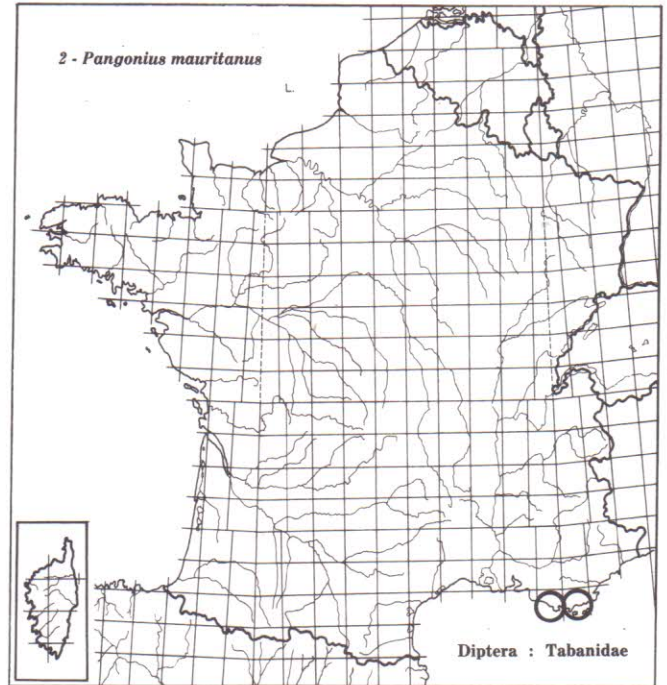
- CARTES 30 - *Haematopota bigoti* GOBERT
31 - *Haematopota bigoti monspellensis* VILLENEUVE
32 - *Haematopota crassicornis* WAHLBERG
33 - *Haematopota gallica* SZILADY
34 - *Haematopota grandis* MACQUART (= *fraseri* AUSTEN)
35 - *Haematopota italica* MEIGEN
36 - *Haematopota lambi* VILLENEUVE
37 - *Haematopota ocelligera* KROBER
38 - *Haematopota pluvialis* L.
39 - *Haematopota pseudolusitanica* SZILADY
40 - *Haematopota scutellata* OLSUFJEV, MOUCHA, CHVALA
41 - *Haematopota subcylindrica* PANDELLE
42 - *Haematopota pandazisi* KROBER
43 - *Heptatoma pellucens* F.
44 - *Hybomitra acuminata* LOEW
45 - *Hybomitra arpadi* SZILADY
46 - *Hybomitra aterrima* MEIGEN
47 - *Hybomitra auripila* MEIGEN
48 - *Hybomitra borealis* LOEW
49 - *Hybomitra caucasica* ENDERLEIN
50 - *Hybomitra distinguenda* VERRALL
51 - *Hybomitra erberi* BRAUER
52 - *Hybomitra expollicata* PANDELLE
53 - *Hybomitra lateralis* MEIGEN
54 - *Hybomitra lundbecki* LYNEBORG
55 - *Hybomitra lurida* FALLEN
56 - *Hybomitra micans* MEIGEN
57 - *Hybomitra montana* MEIGEN
58 - *Hybomitra montana flaviceps* ZETTERSTEDT
59 - *Hybomitra montana tuxeni* LYNEBORG
60 - *Hybomitra muehlfeldi* BRAUER
61 - *Hybomitra nitidifrons confiformis* CHVALA et MOUCHA
62 - *Hybomitra solstitialis* SCHINER
63 - *Hybomitra tropica* PANZER
64 - *Hybomitra tropica bimaculata* MACQUART
65 - *Hybomitra tropica bisignata* JAENNICKE
66 - *Phylipomyia graeca* F.

- CARTES 67 - *Phylipomyia graeca aprica* MEIGEN
68 - *Tabanus autumnalis* L.
69 - *Tabanus bifarius* LOEW
70 - *Tabanus bovinus* L.
71 - *Tabanus briani* LECLERCQ
72 - *Tabanus bromius* L.
73 - *Tabanus bromius flavofemoratus* STROBL
74 - *Tabanus cordiger* MEIGEN
75 - *Tabanus eggeri* SCHINER
76 - *Tabanus exclusus* PANDELLE
77 - *Tabanus glaucopis* MEIGEN
78 - *Tabanus glaucopis rubra* MUSCHAMP
79 - *Tabanus lunatus* F.
80 - *Tabanus maculicornis* ZETTERSTEDT
81 - *Tabanus miki* BRAUER
82 - *Tabanus nemoralis* MEIGEN
83 - *Tabanus paradoxus* JAENNICKE
84 - *Tabanus quatuornotatus* MEIGEN
85 - *Tabanus rectus* LOEW
86 - *Tabanus regularis* JAENNICKE
87 - *Tabanus rupium* BRAUER
88 - *Tabanus spectabilis* LOEW
89 - *Tabanus spodopterus* MEIGEN
90 - *Tabanus sudeticus* ZELLER
91 - *Tabanus tergestinus* EGGER
92 - *Tabanus unifasciatus* LOEW
93 - *Theriopectes gigas* HERBST

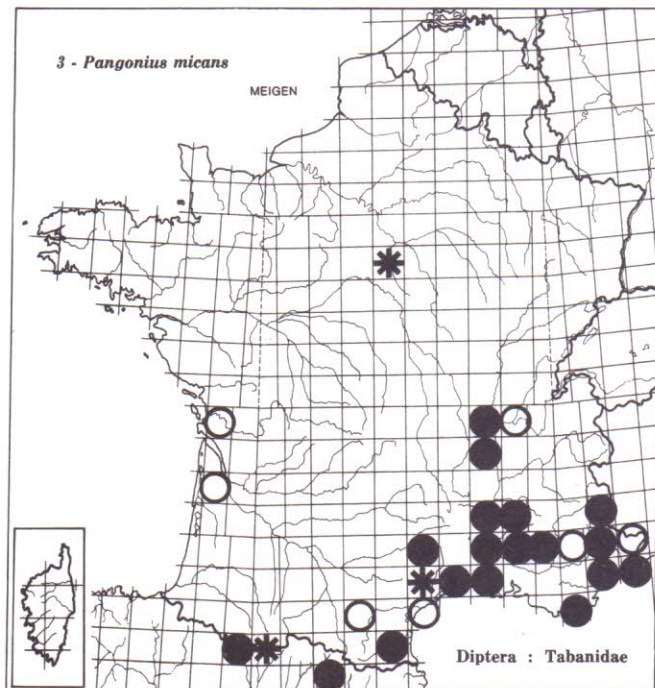
oooo 0 ooooo



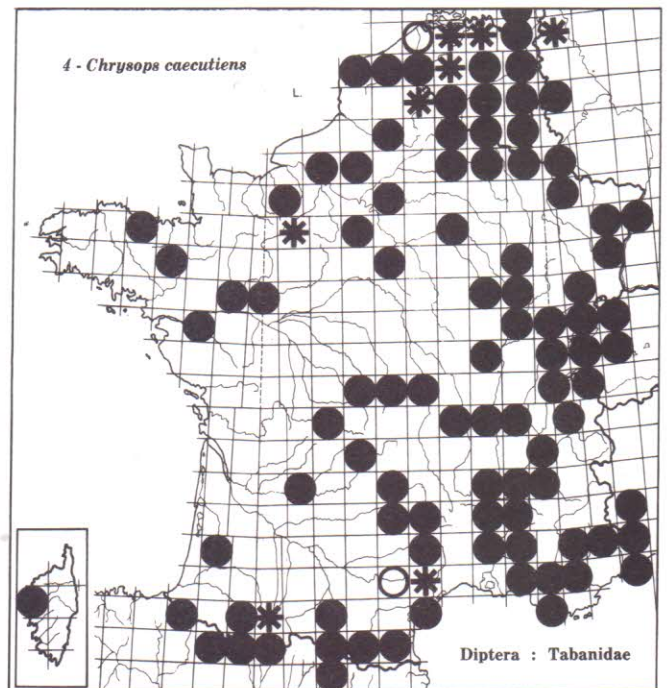
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



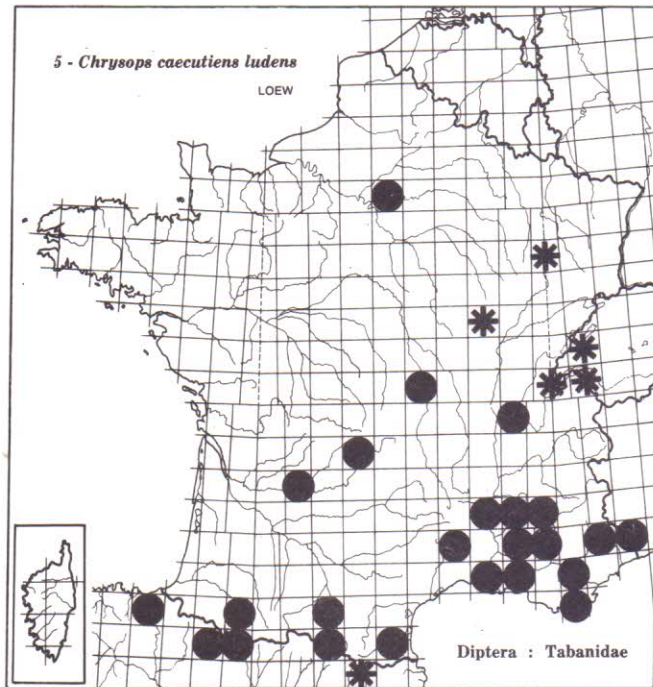
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



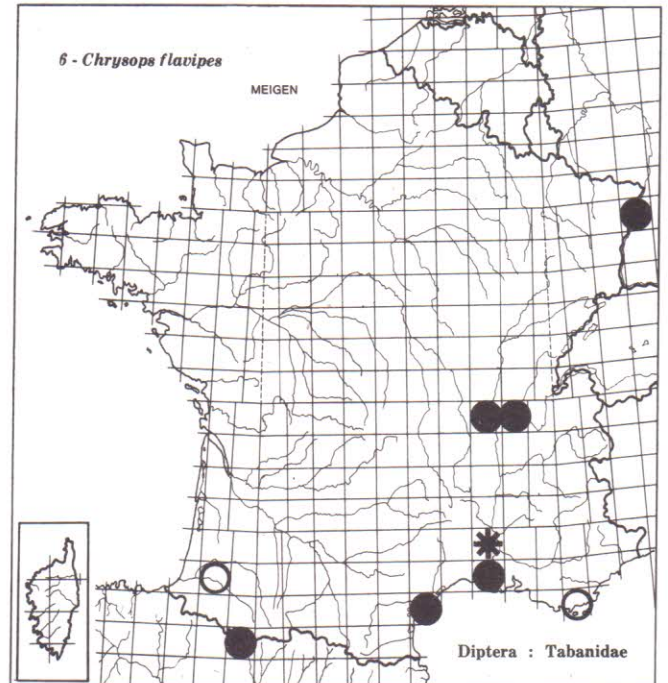
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



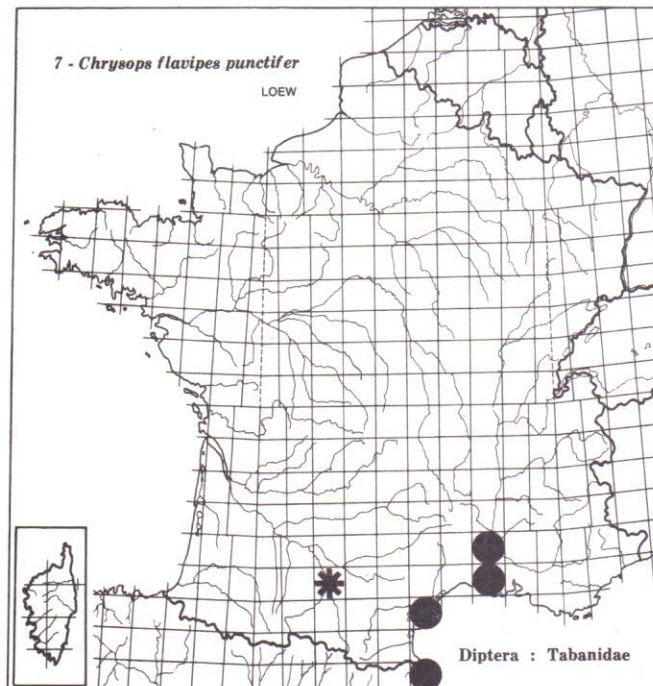
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



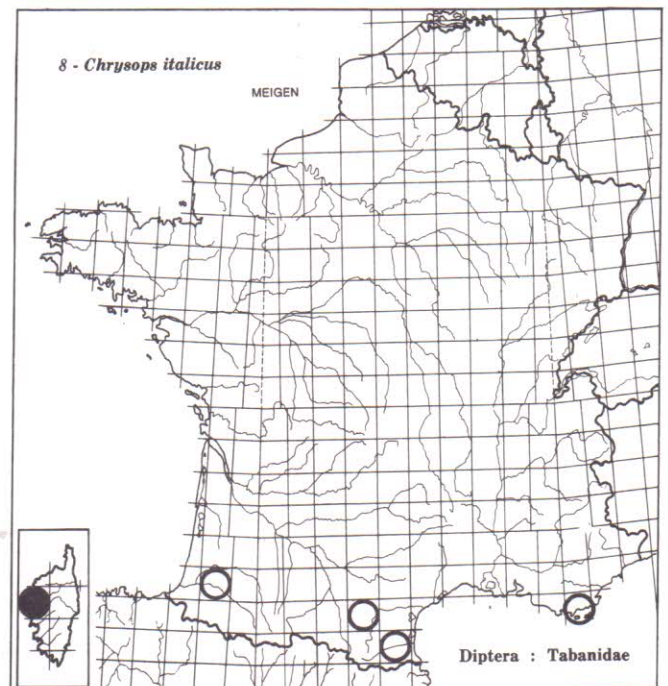
M. LECLERCQ et O. PERNOT-VISENTIN
 Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



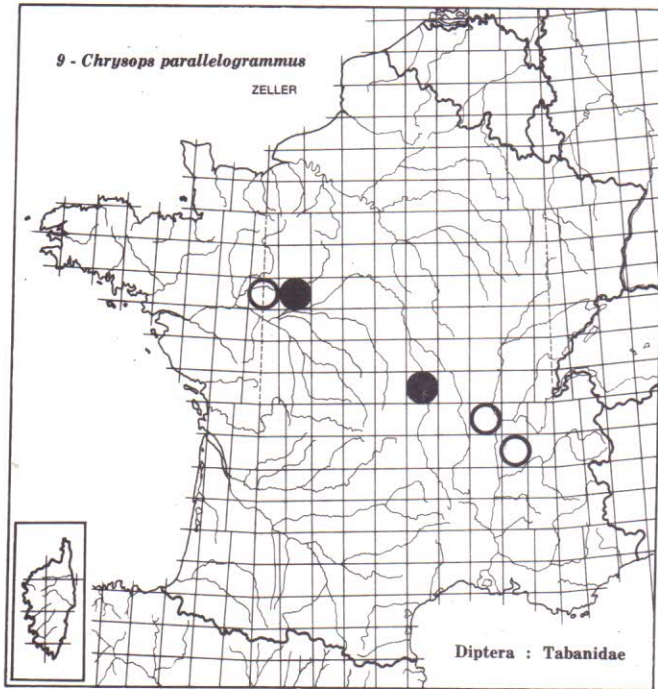
M. LECLERCQ et O. PERNOT-VISENTIN
 Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



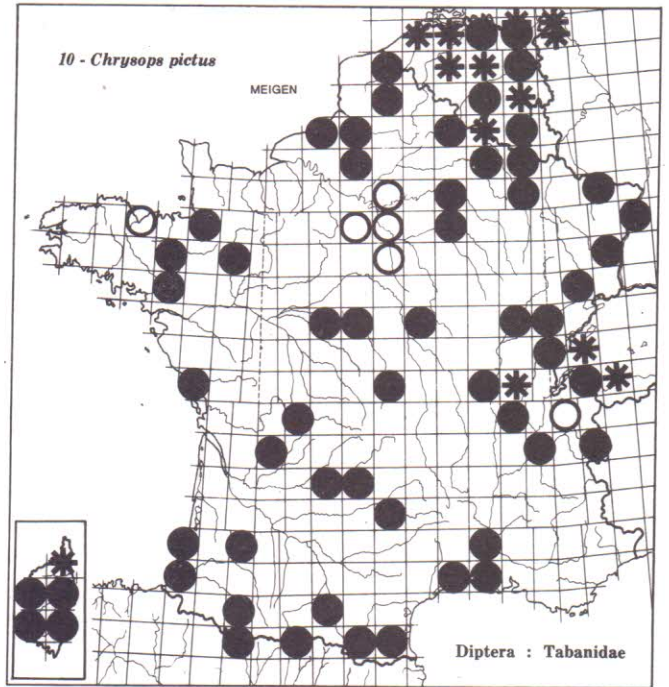
M. LECLERCQ et O. PERNOT-VISENTIN
 Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



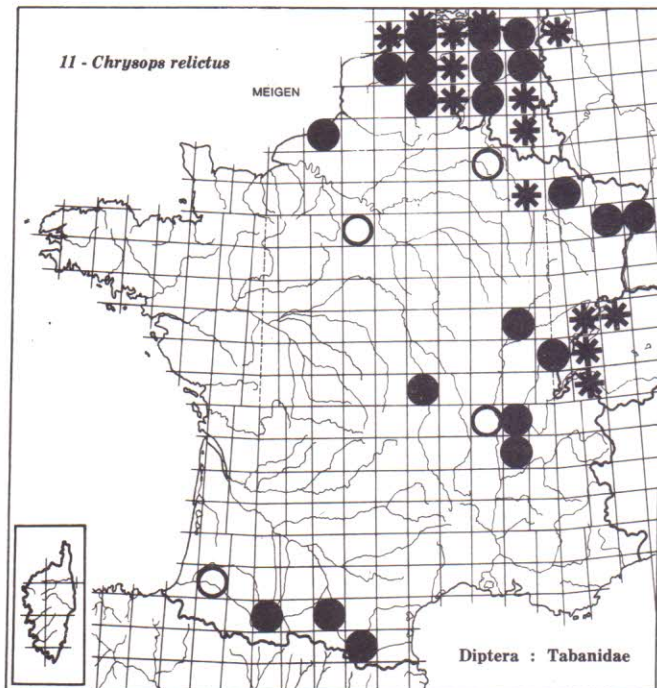
M. LECLERCQ et O. PERNOT-VISENTIN
 Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



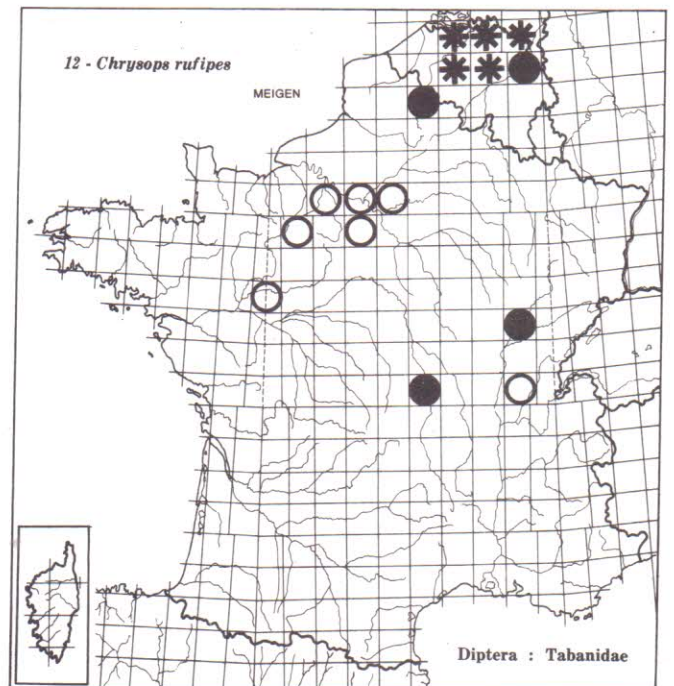
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



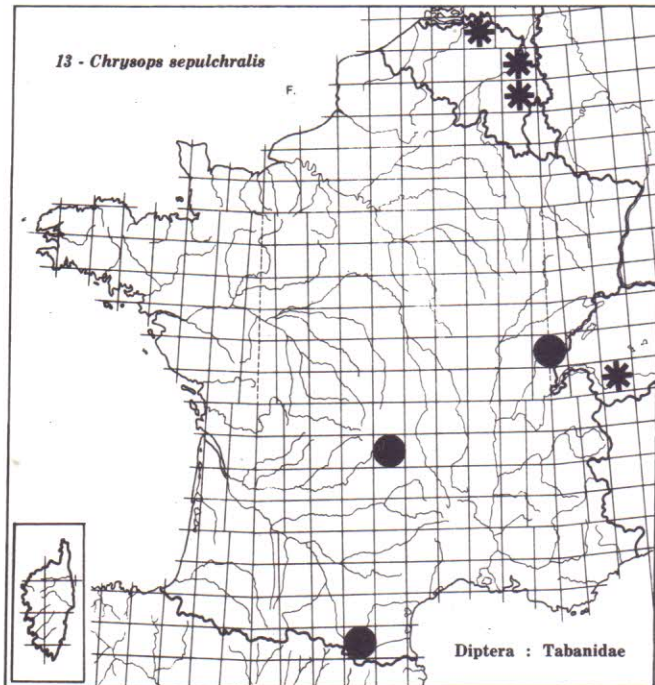
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



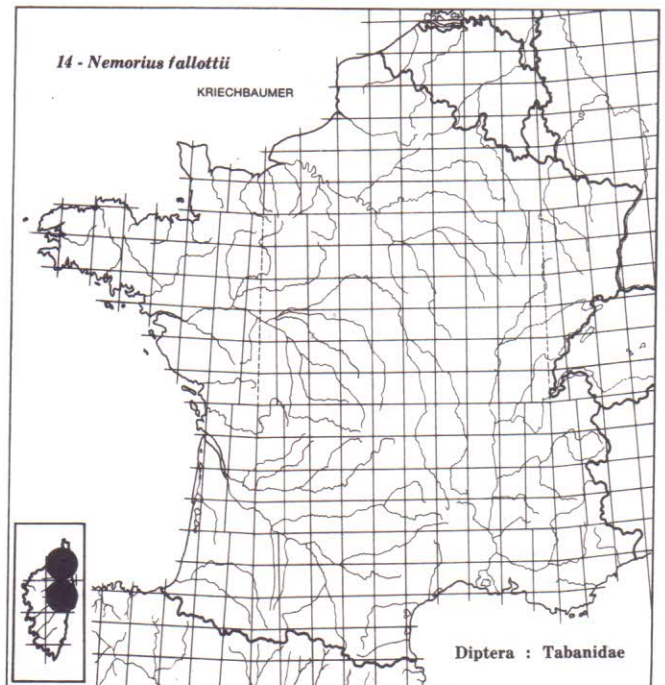
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



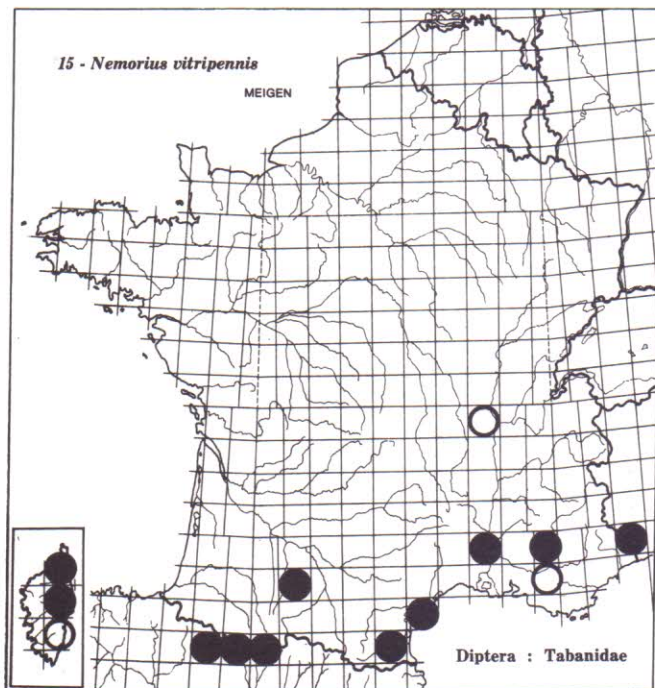
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



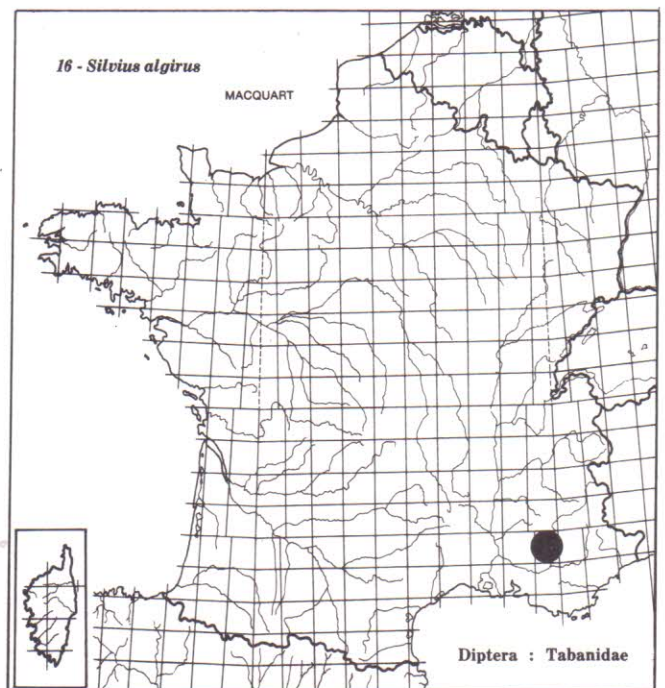
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



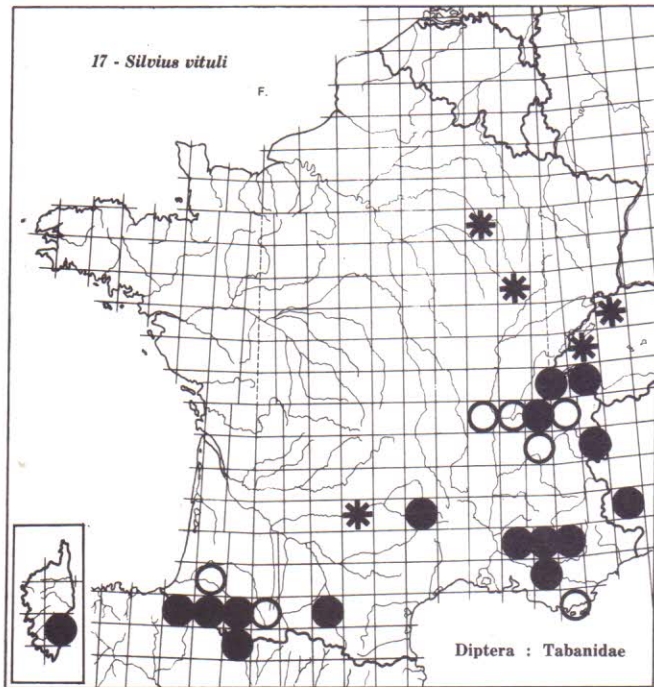
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



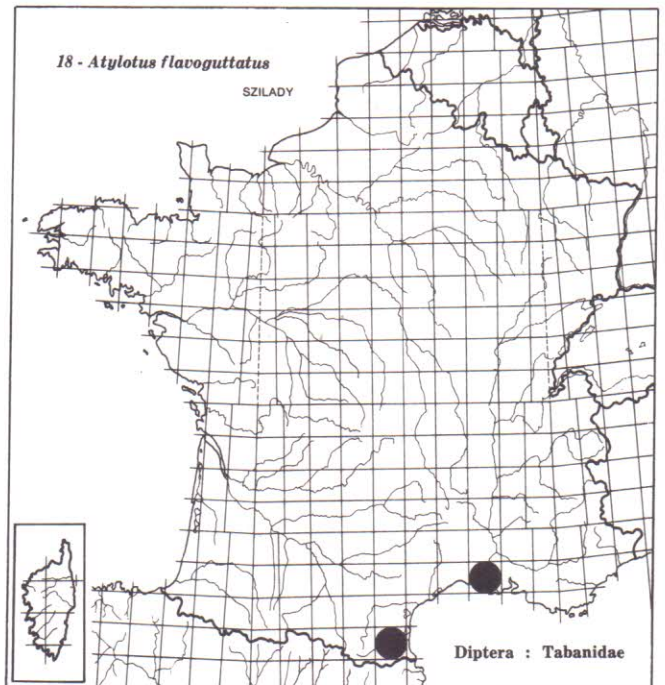
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



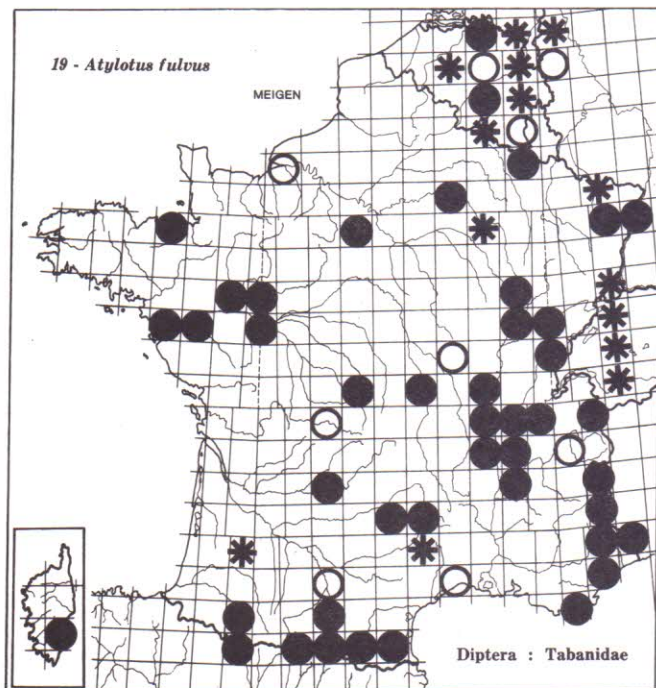
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



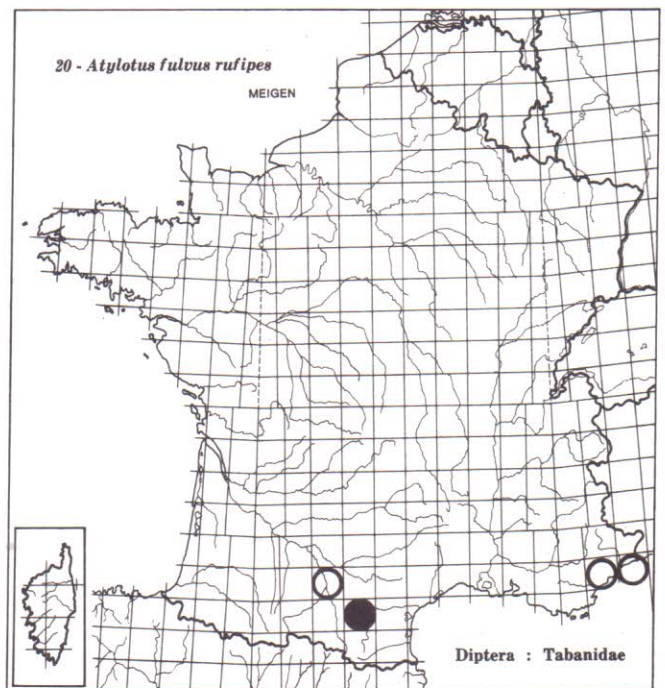
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



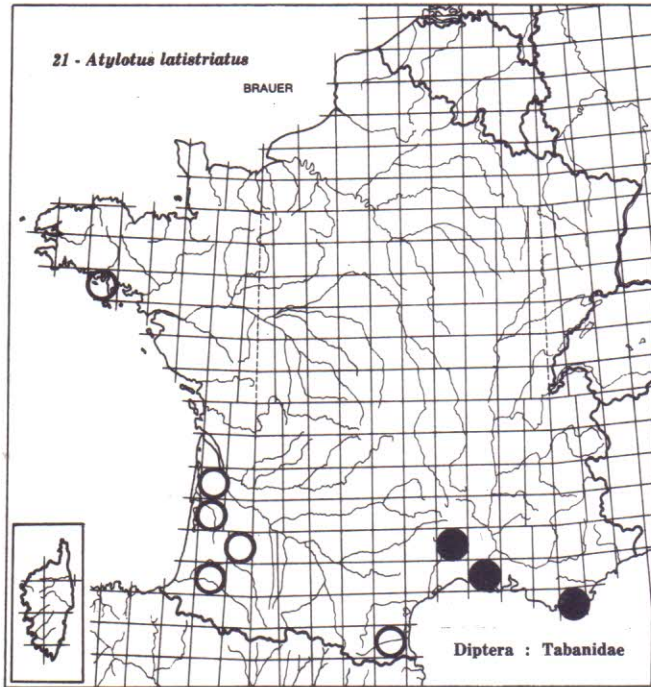
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



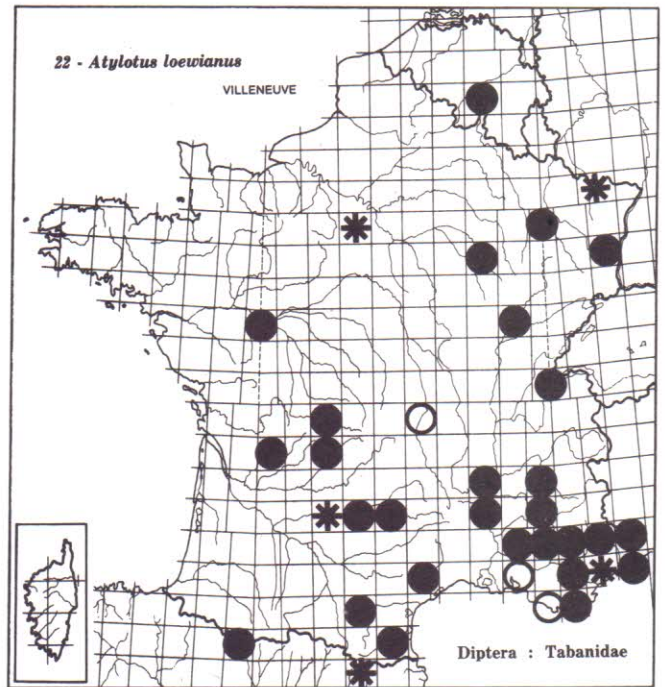
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



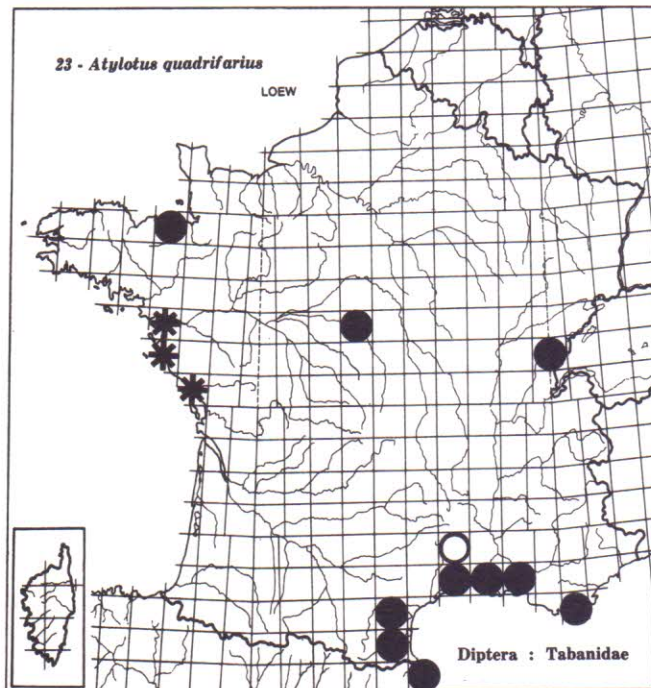
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



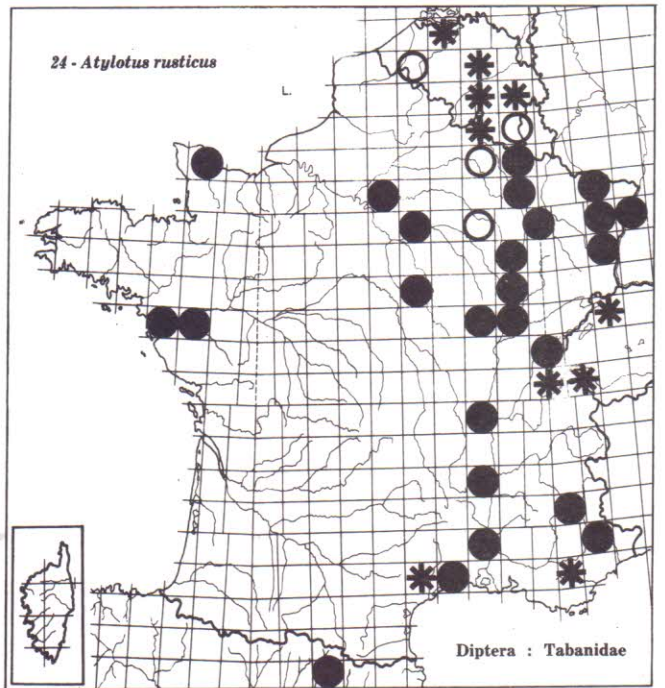
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



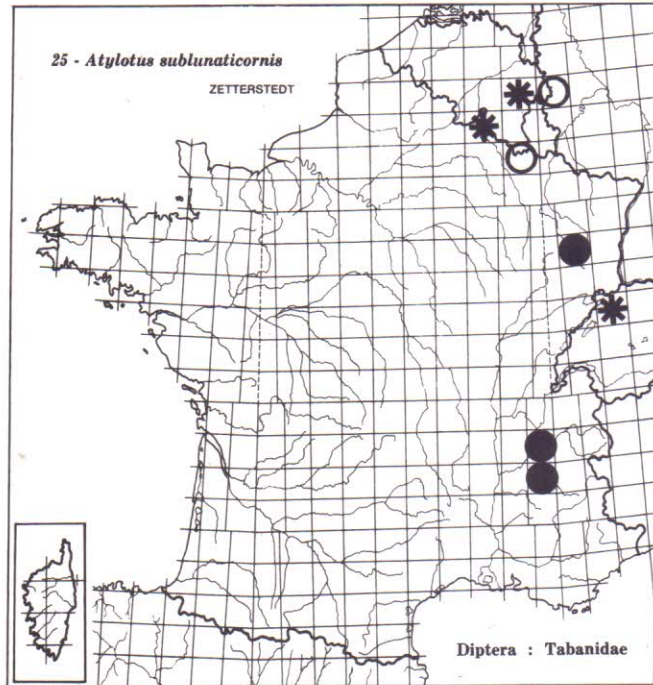
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



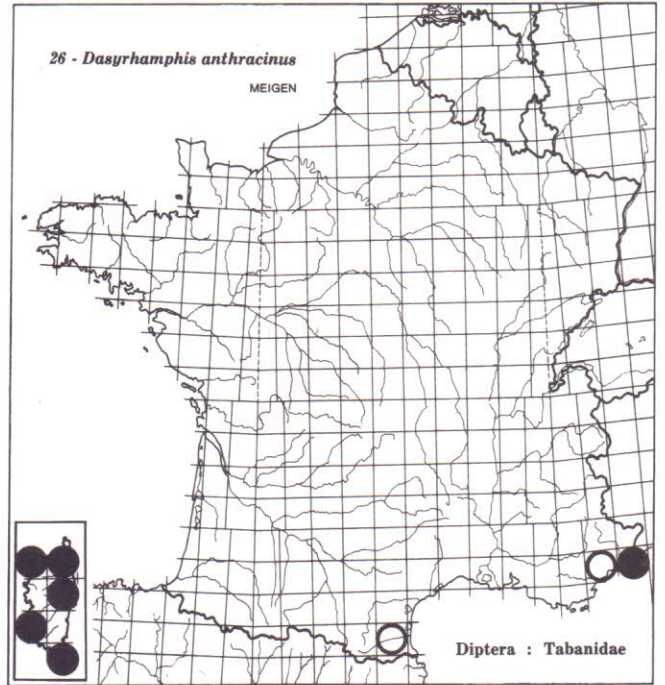
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



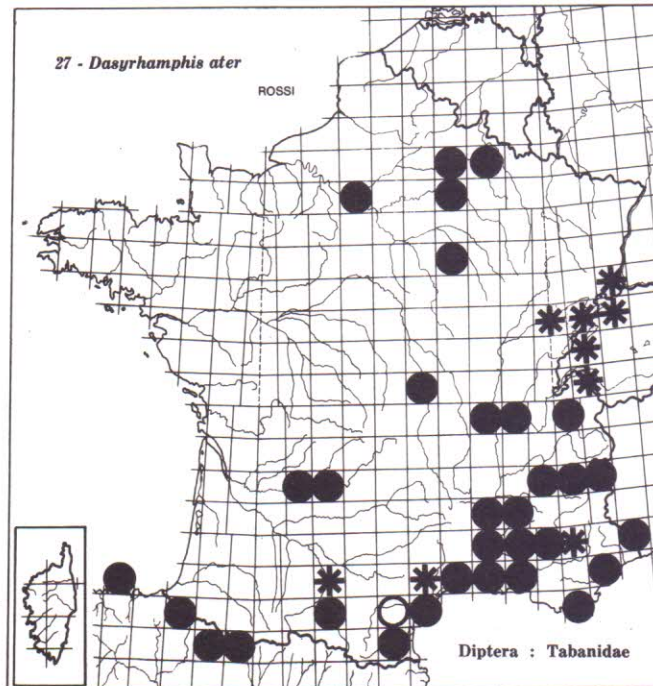
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



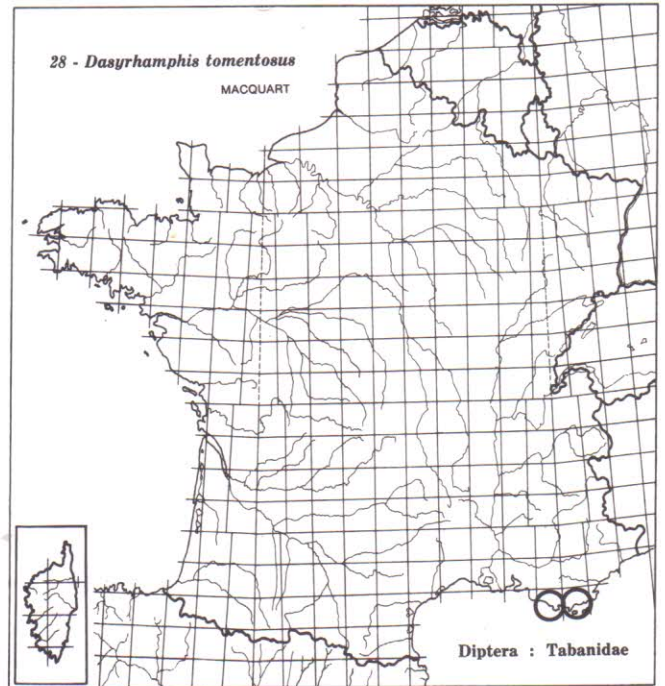
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



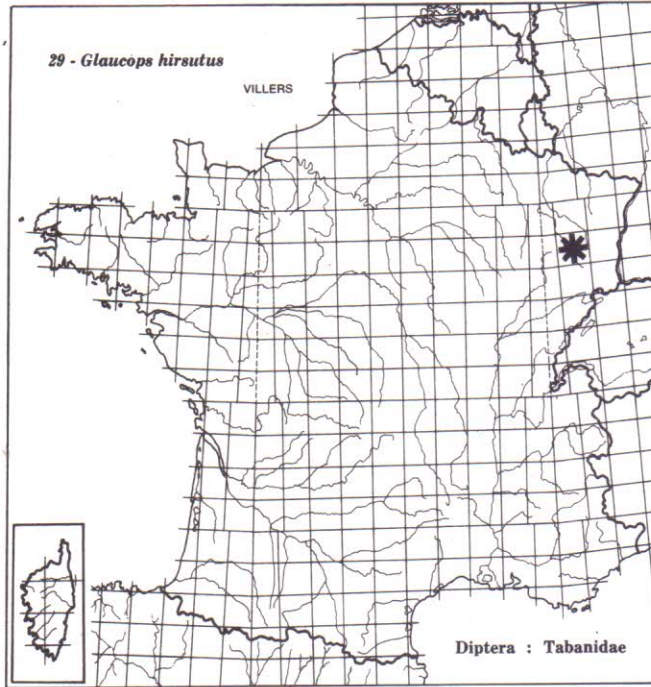
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



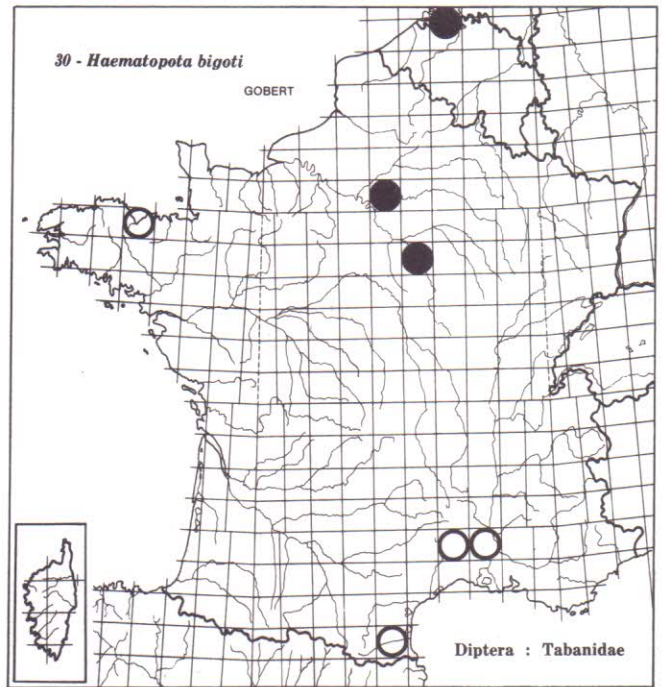
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



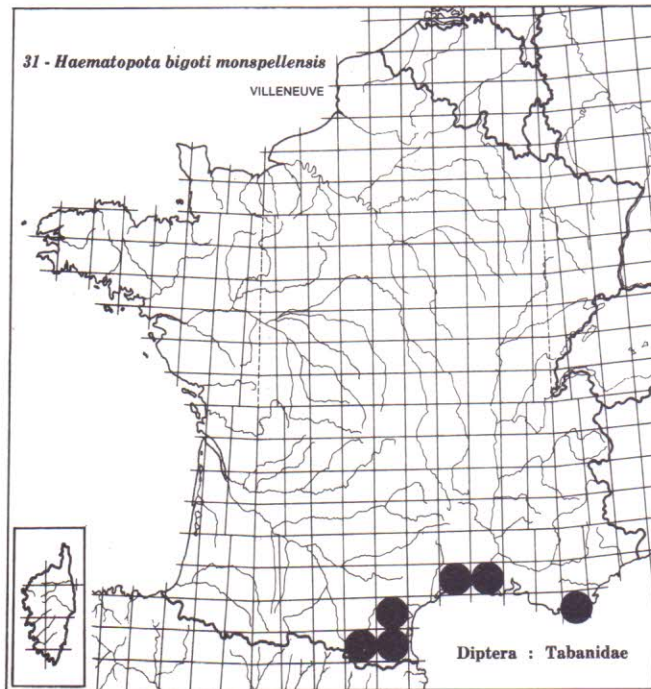
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



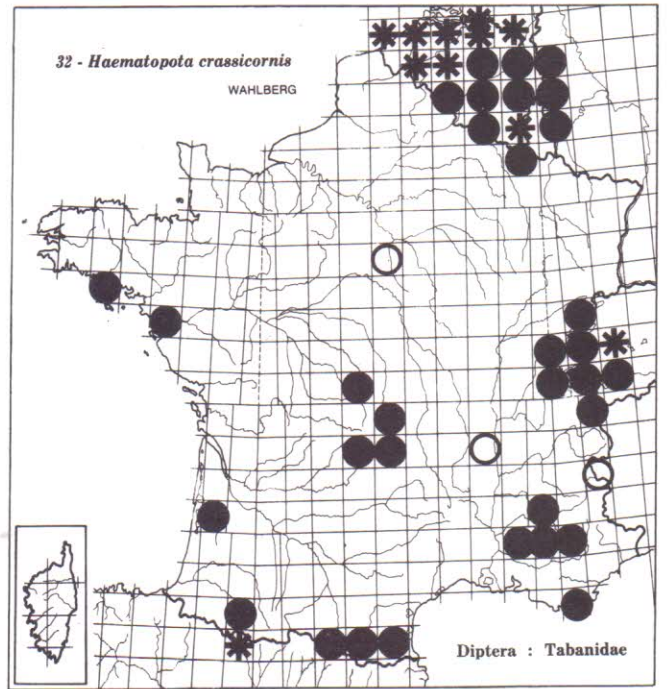
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



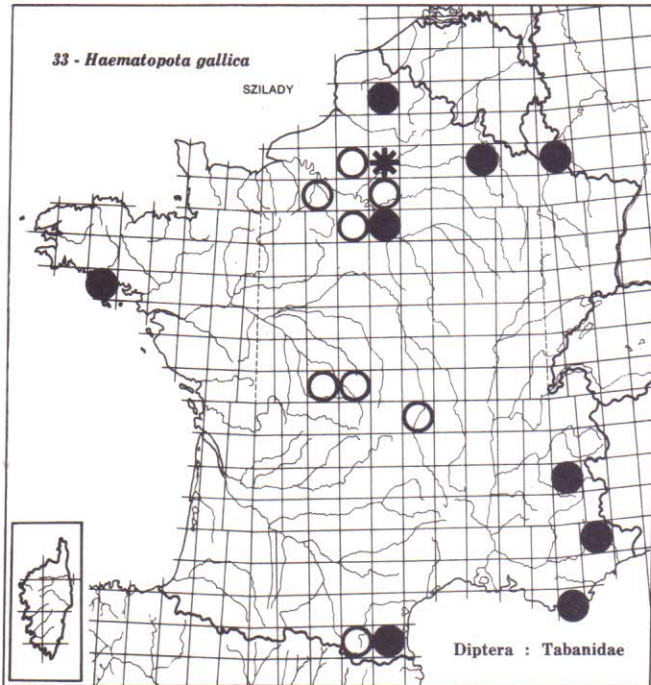
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



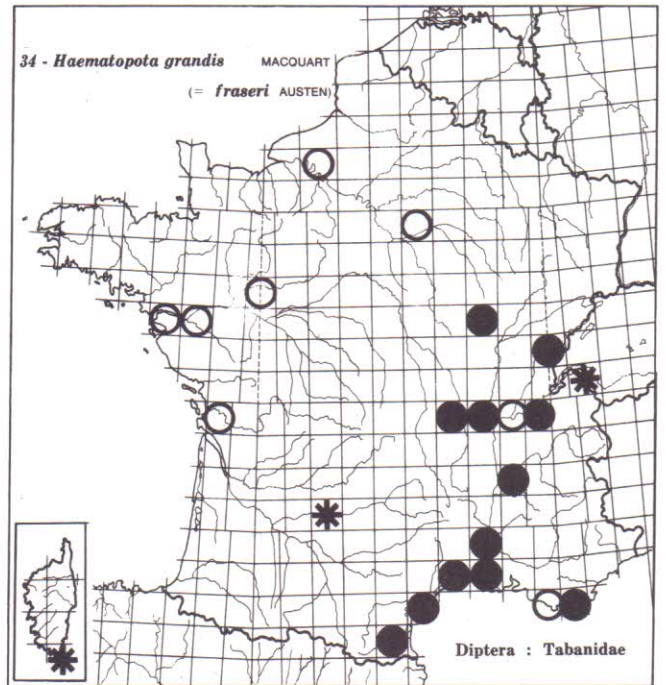
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



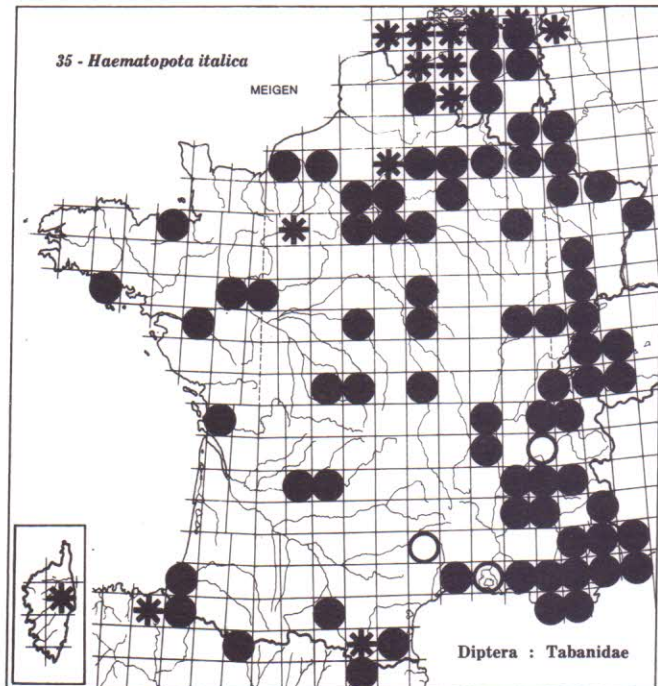
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



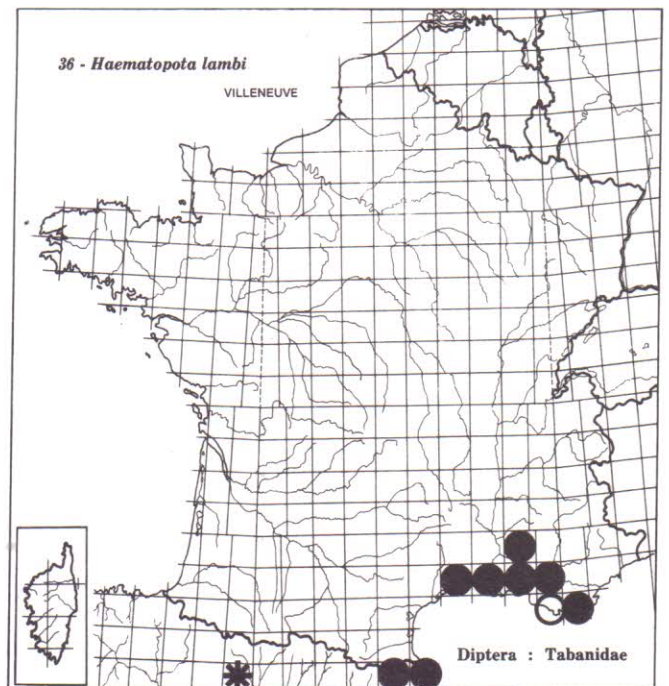
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



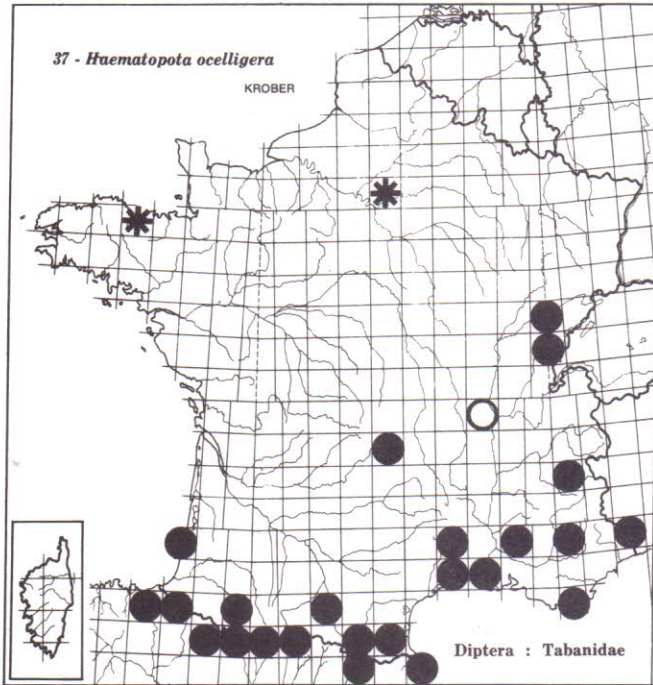
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



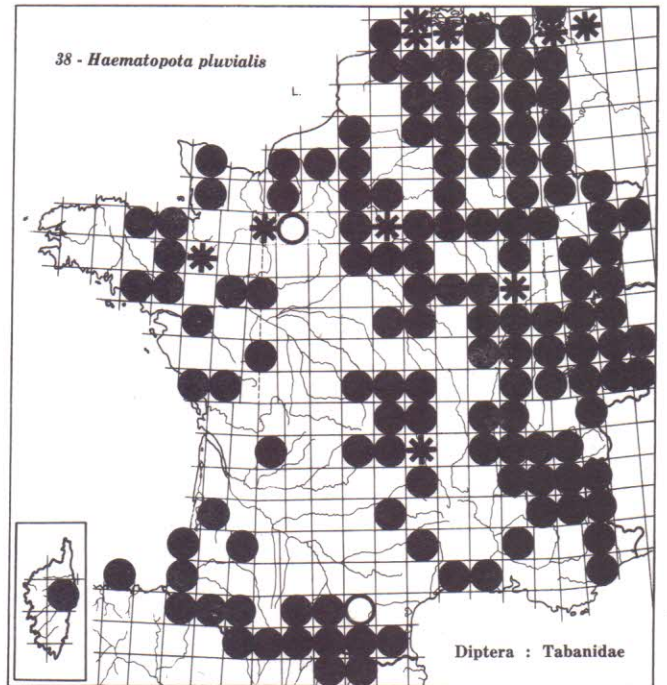
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



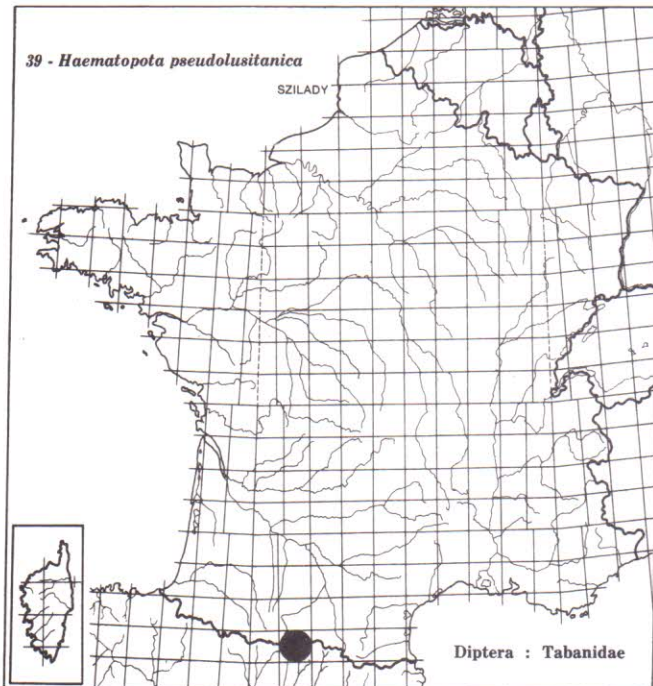
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



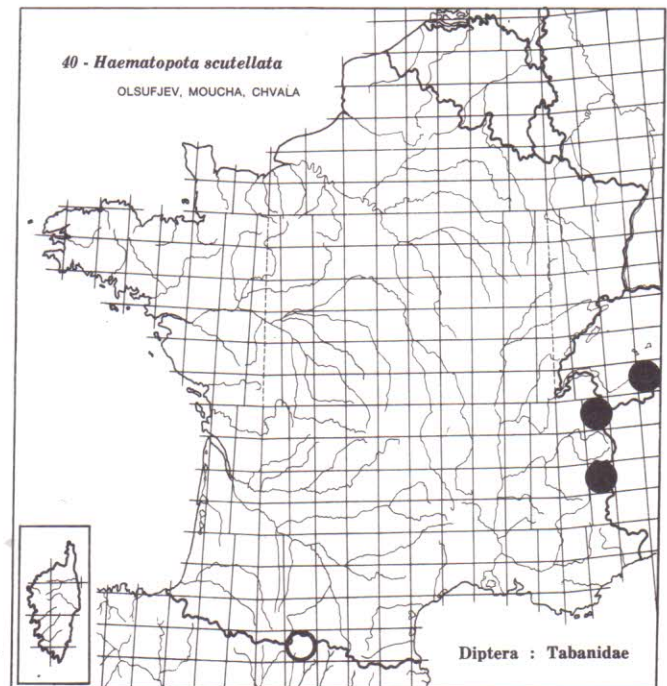
M. LECLERCQ et O. PERNOT-VEINTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



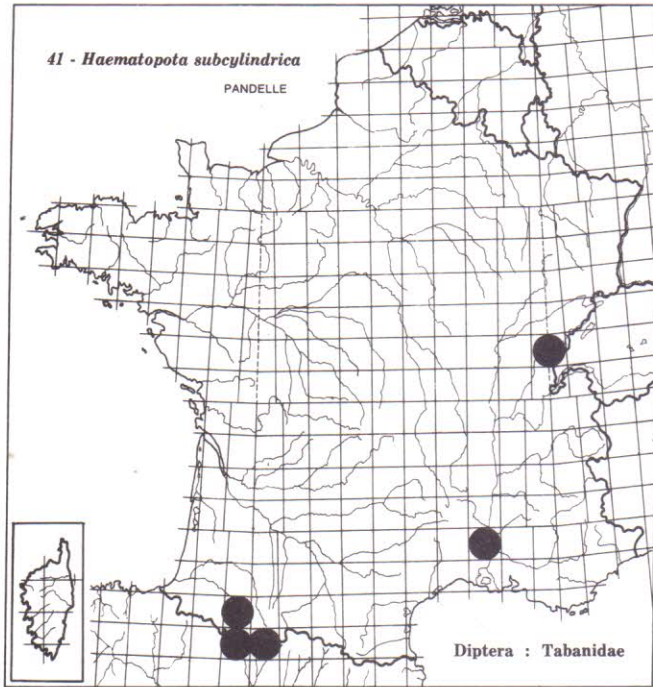
M. LECLERCQ et O. PERNOT-VEINTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



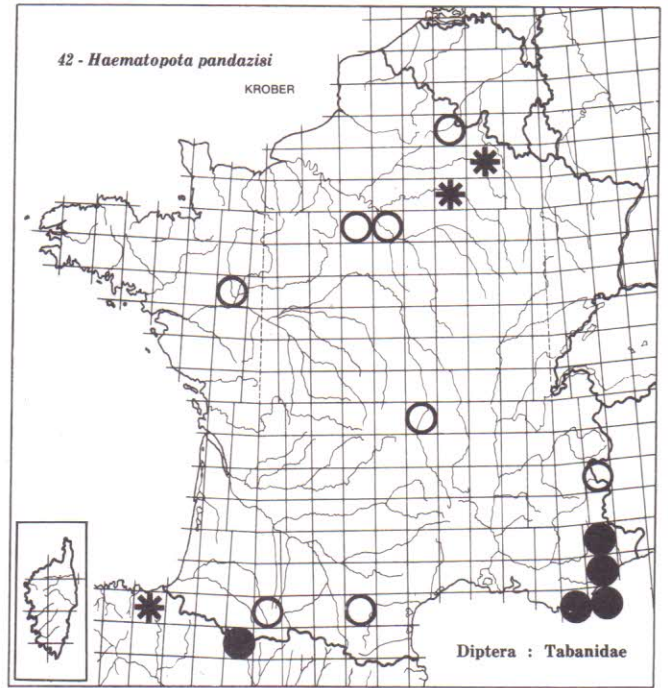
M. LECLERCQ et O. PERNOT-VEINTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



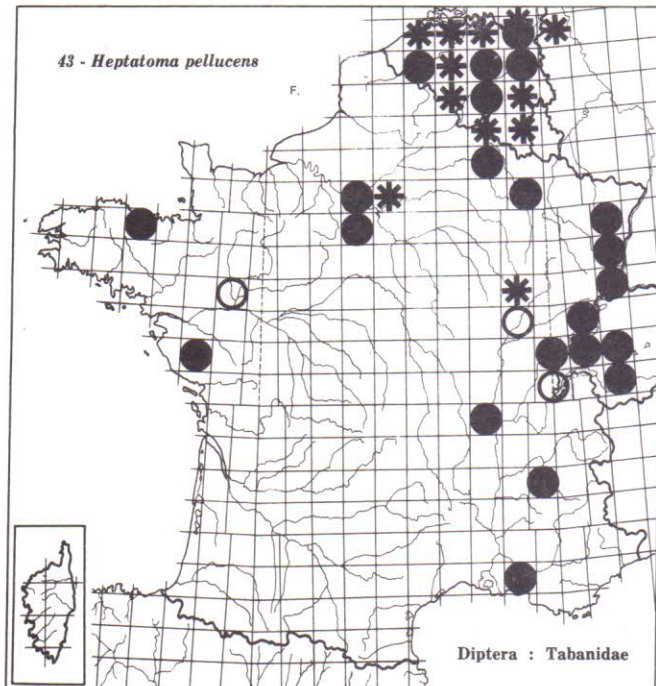
M. LECLERCQ et O. PERNOT-VEINTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



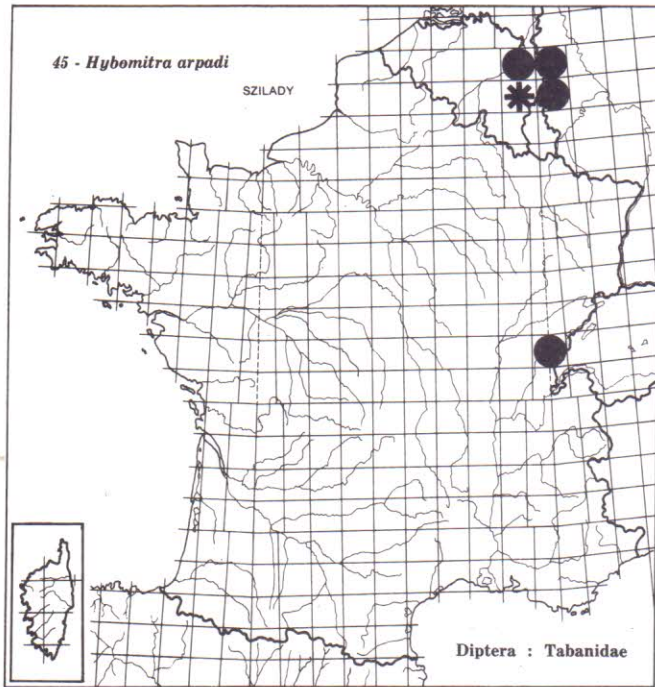
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



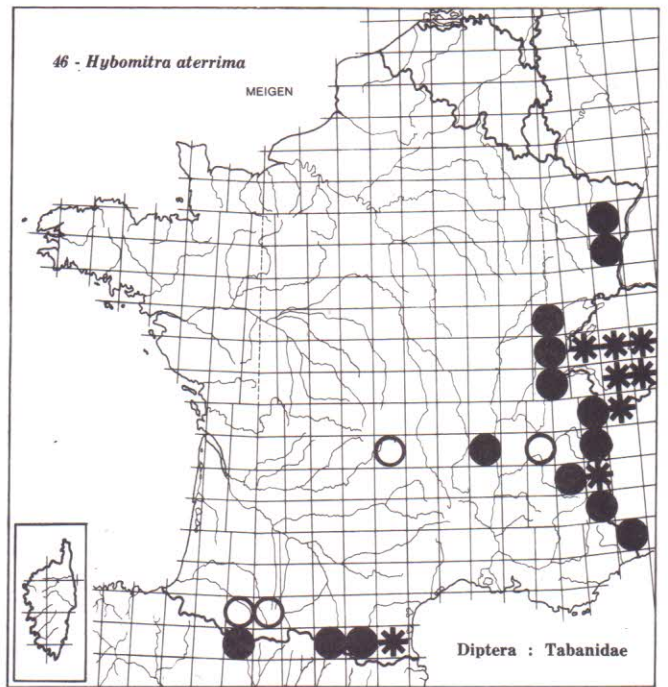
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



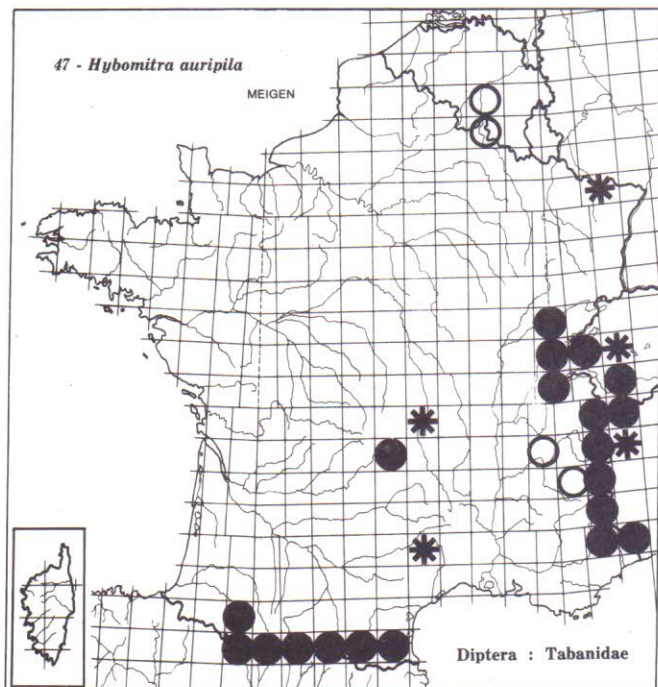
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



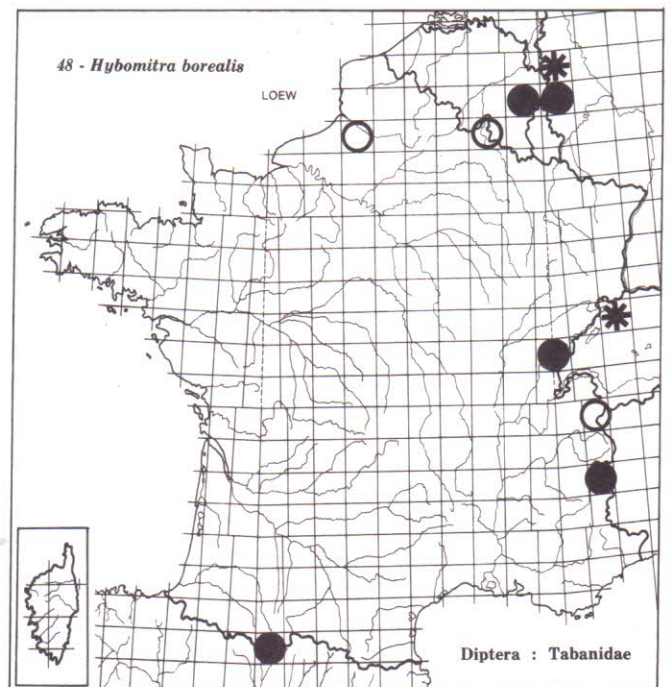
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



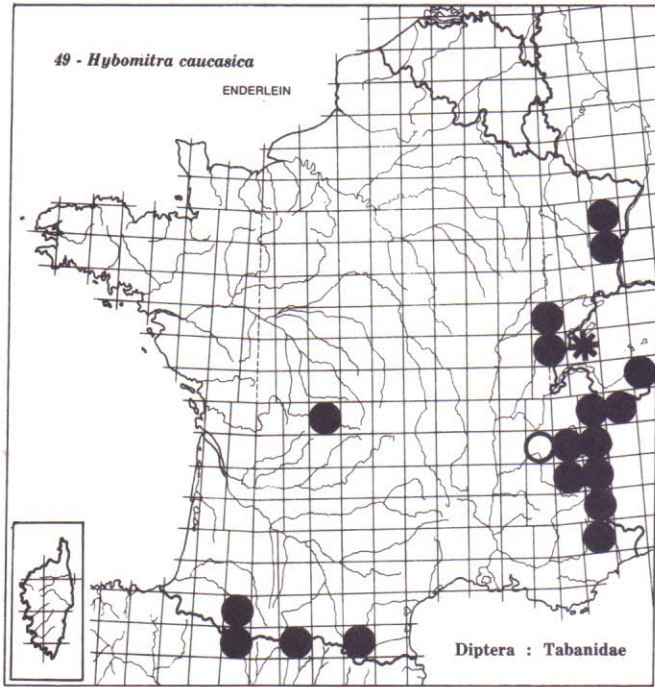
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



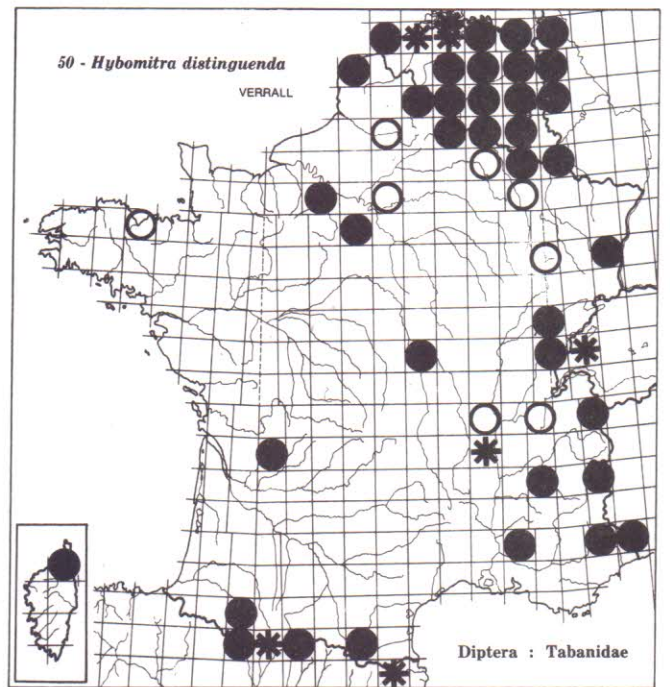
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



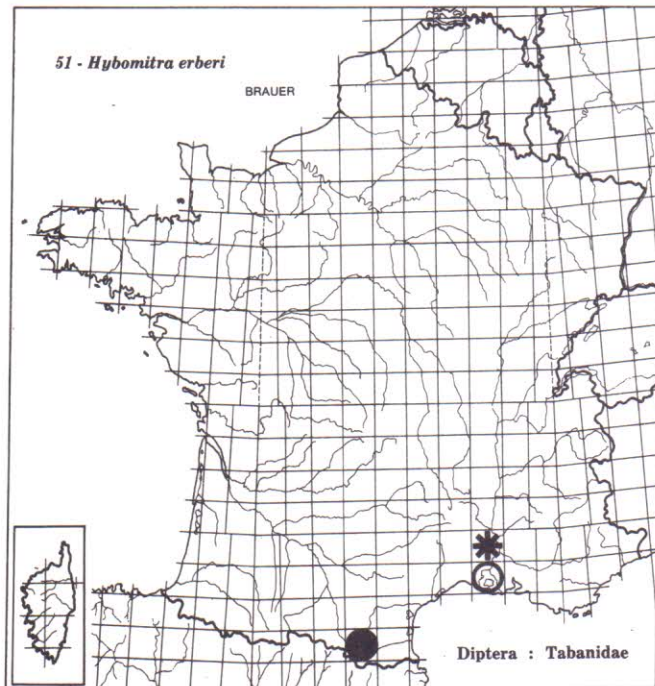
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



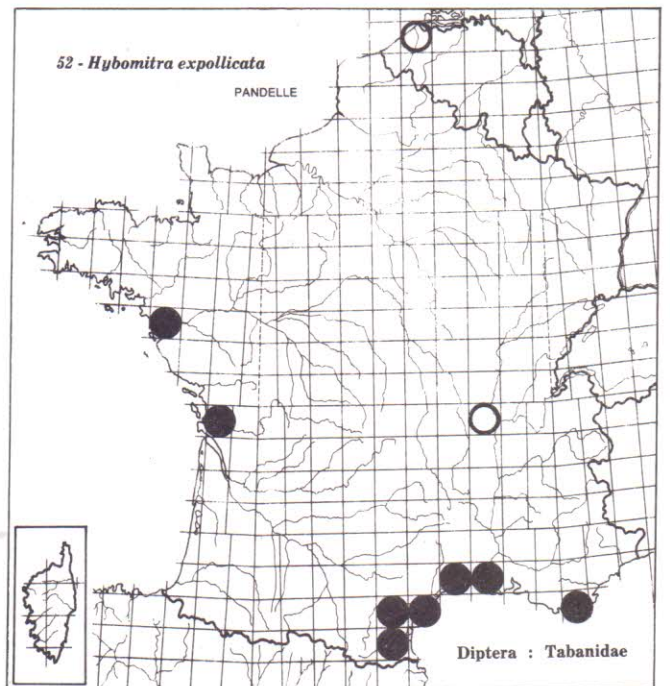
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



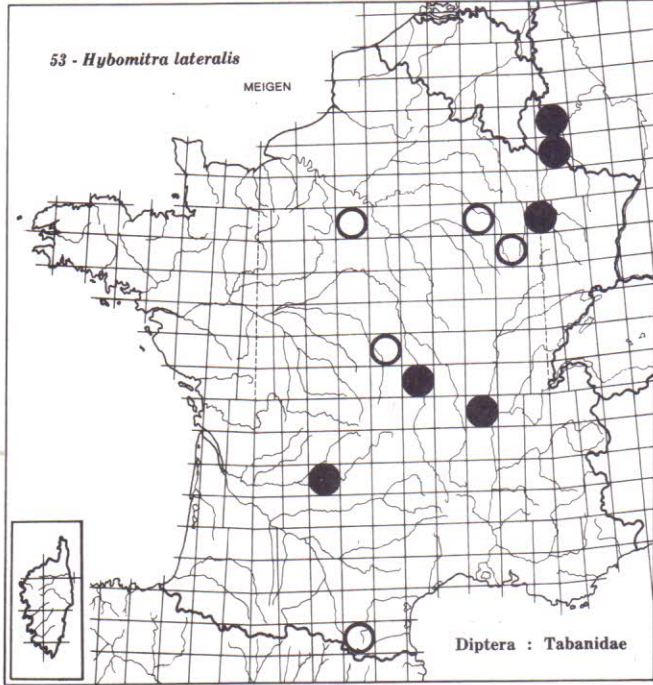
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



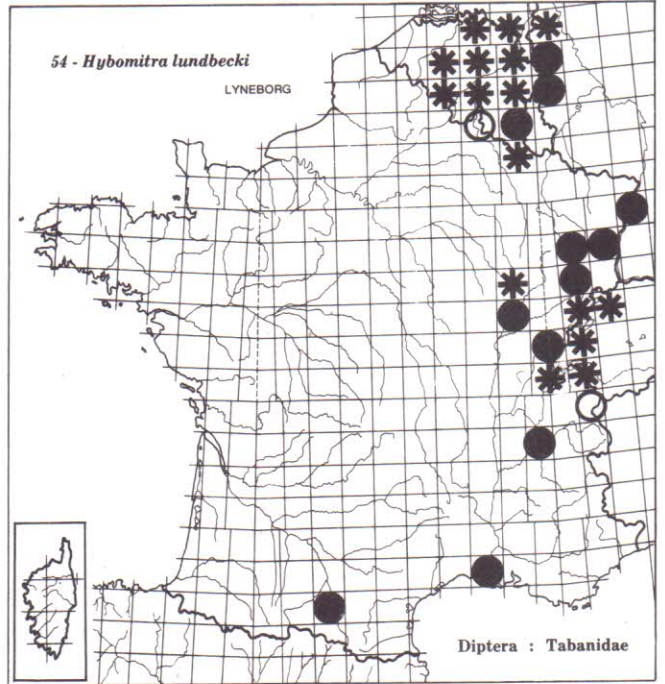
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



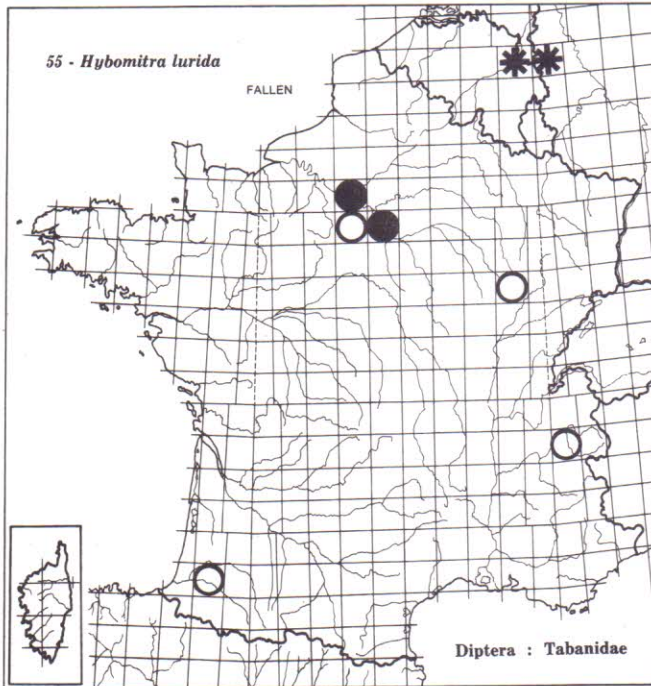
M. LECLERCQ et O. PERNOT-VISNTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



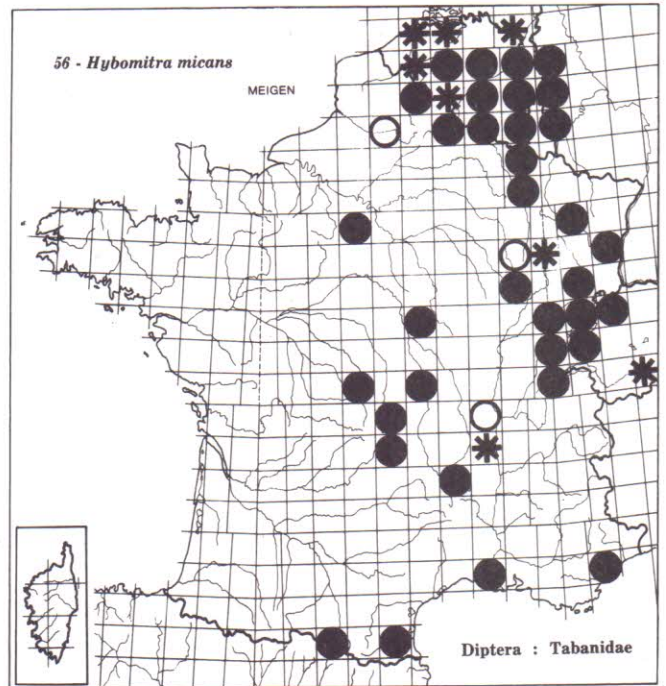
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



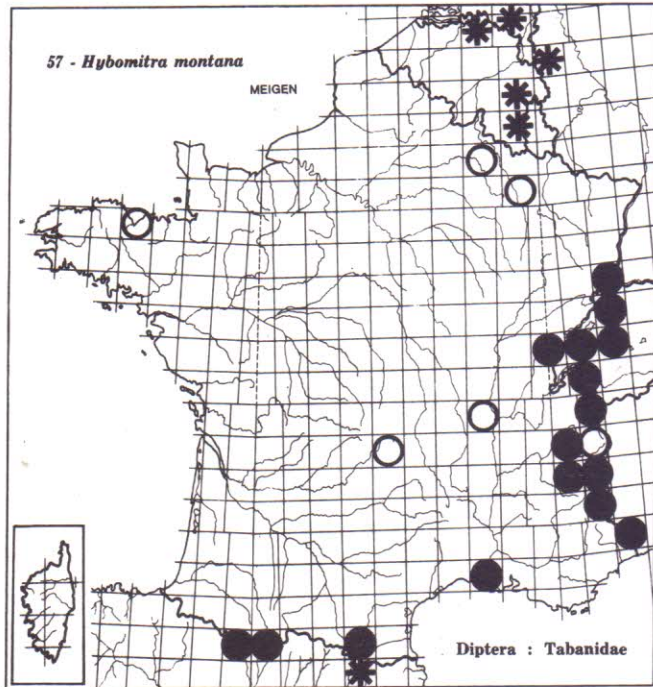
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



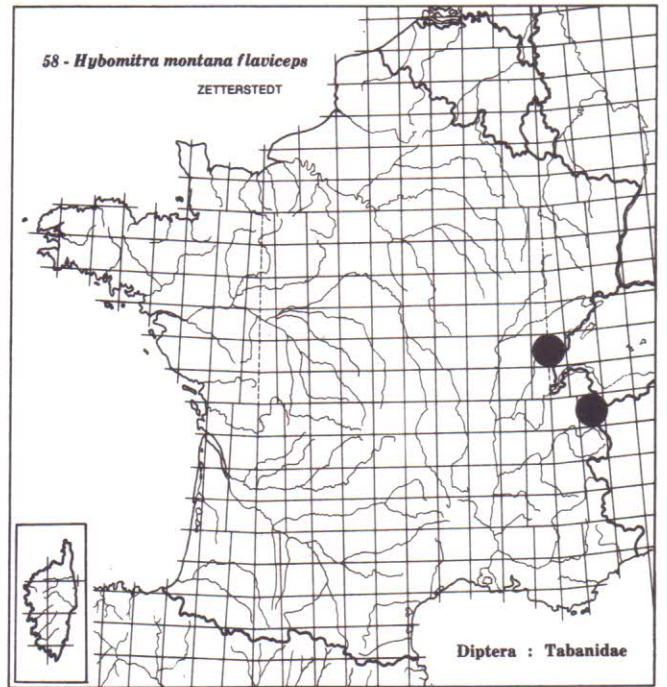
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



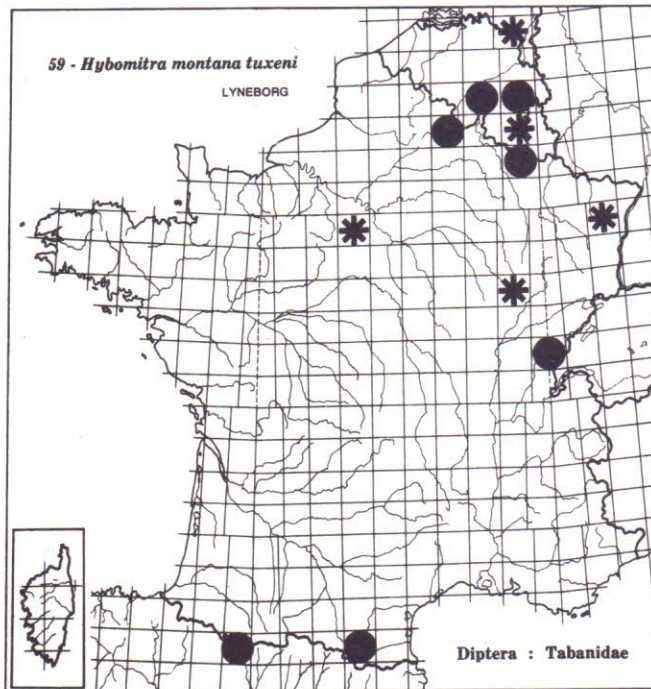
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



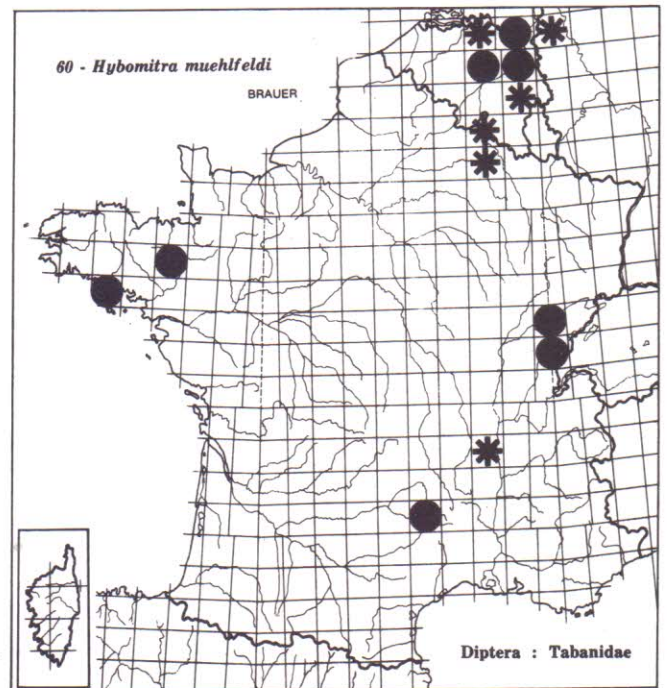
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



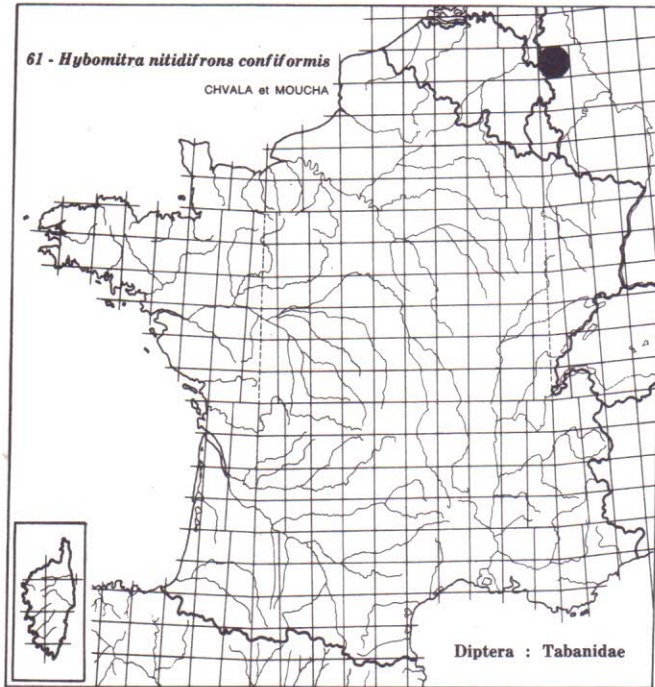
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



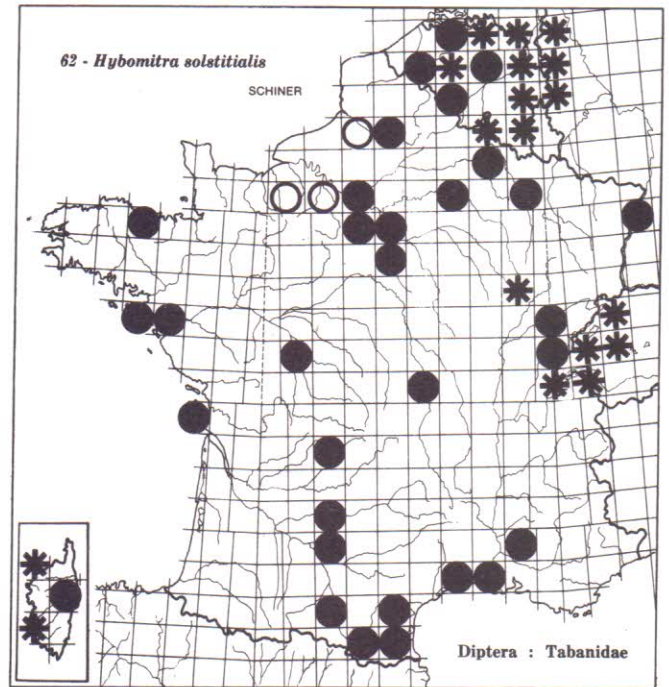
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



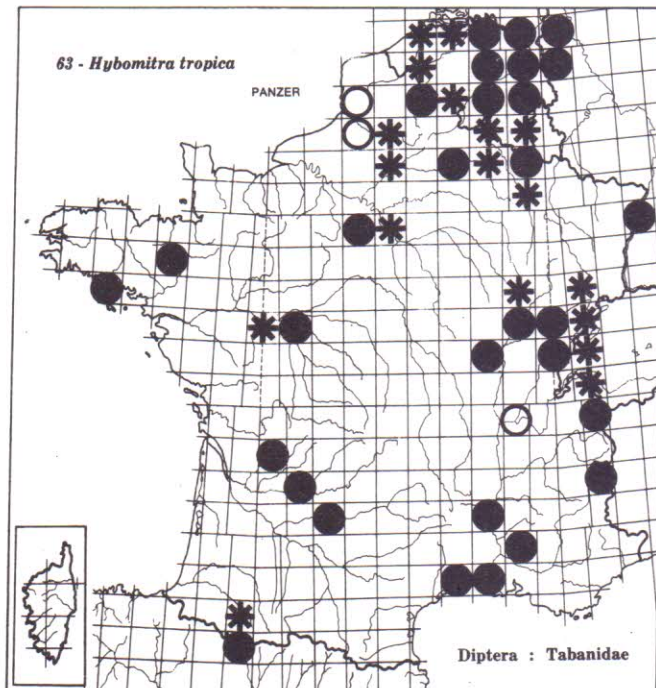
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



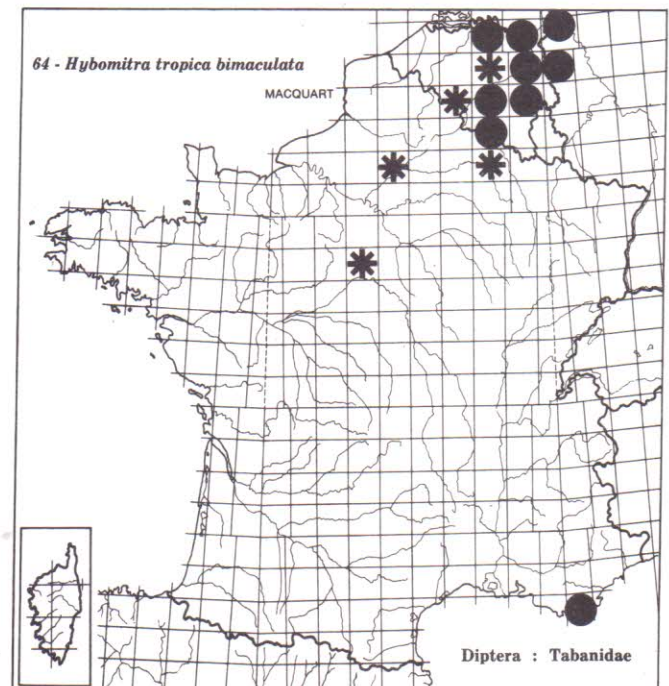
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



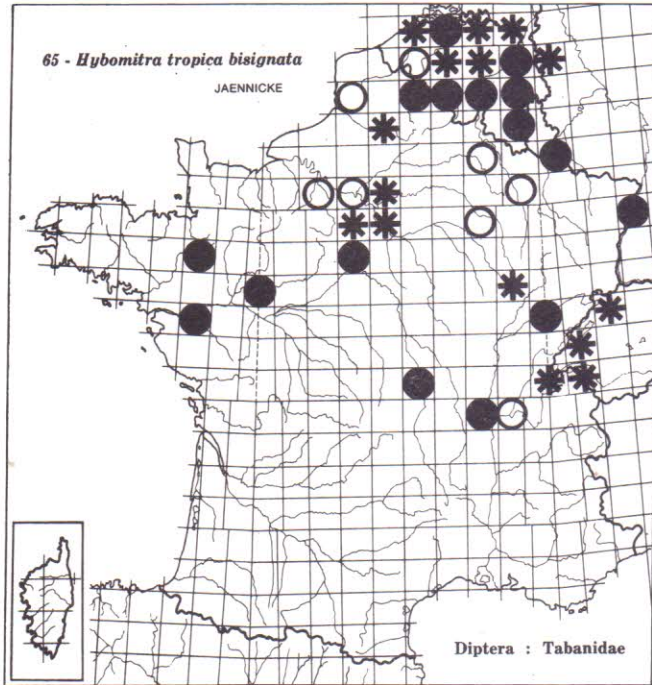
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



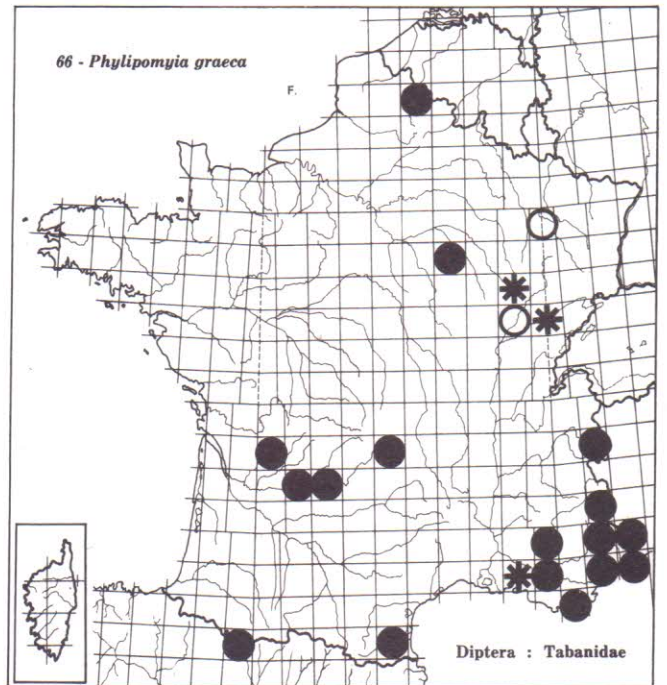
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



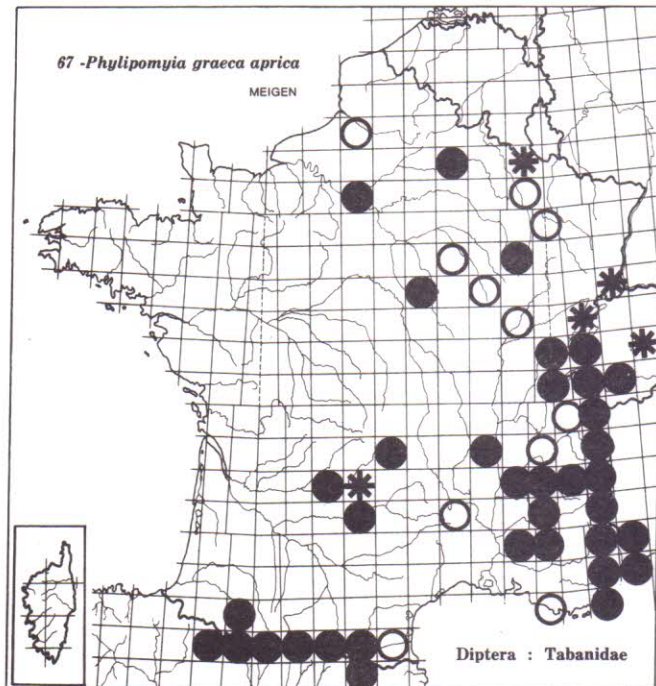
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



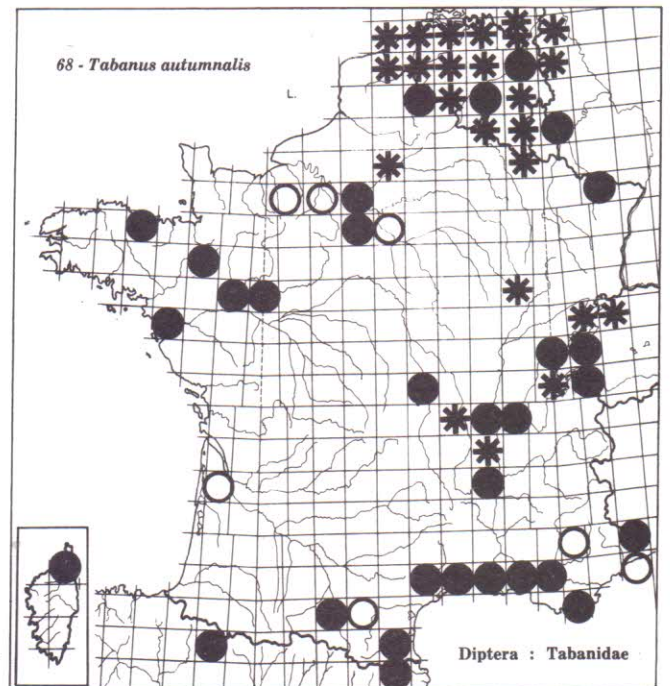
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



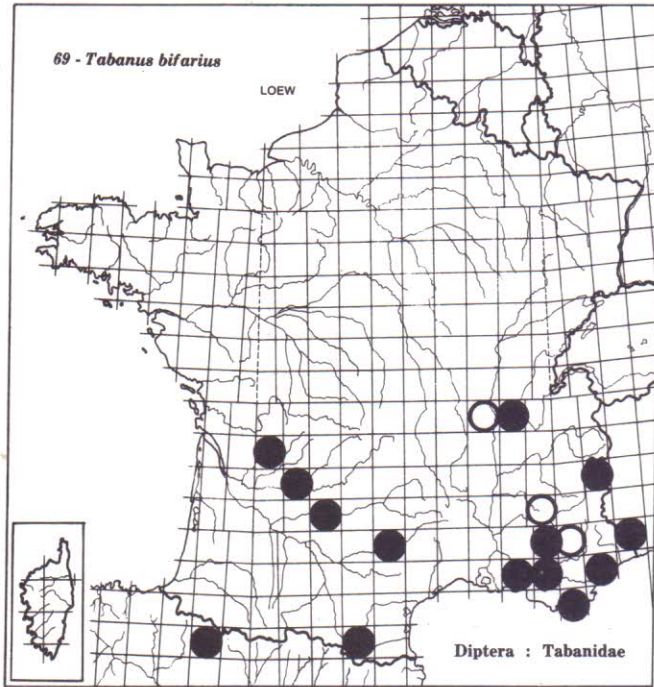
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



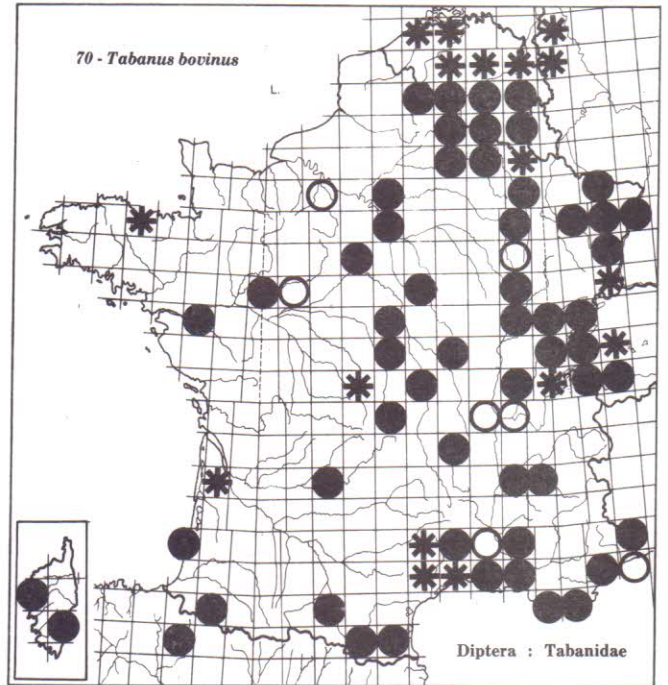
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



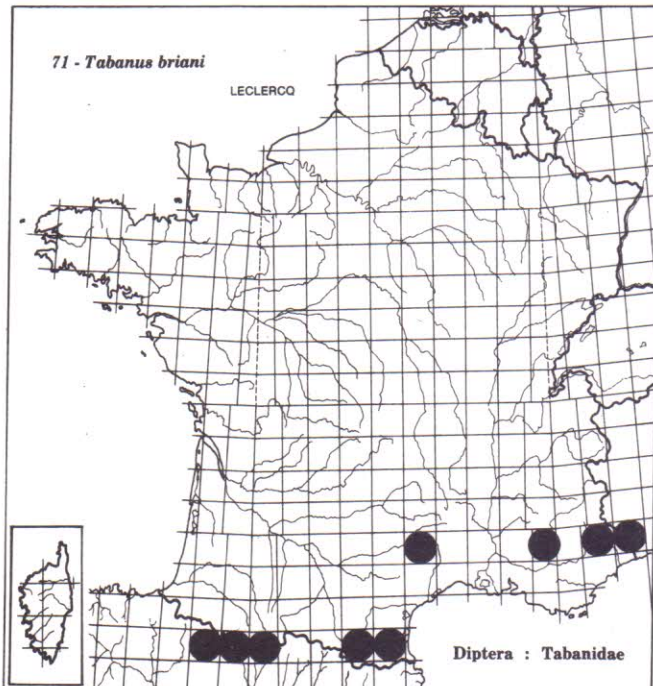
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



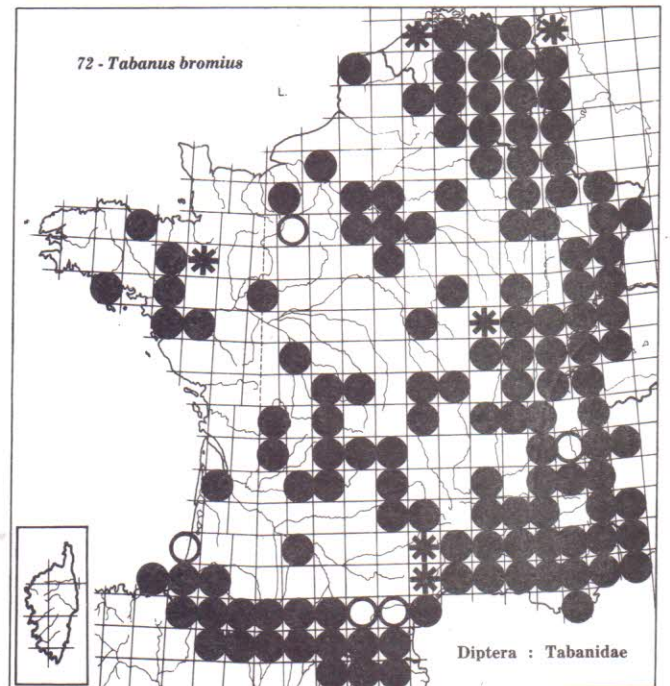
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



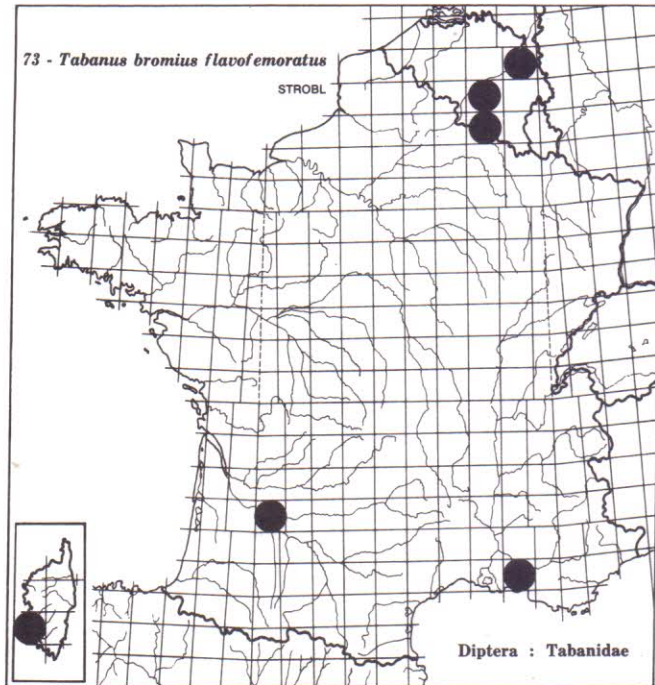
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



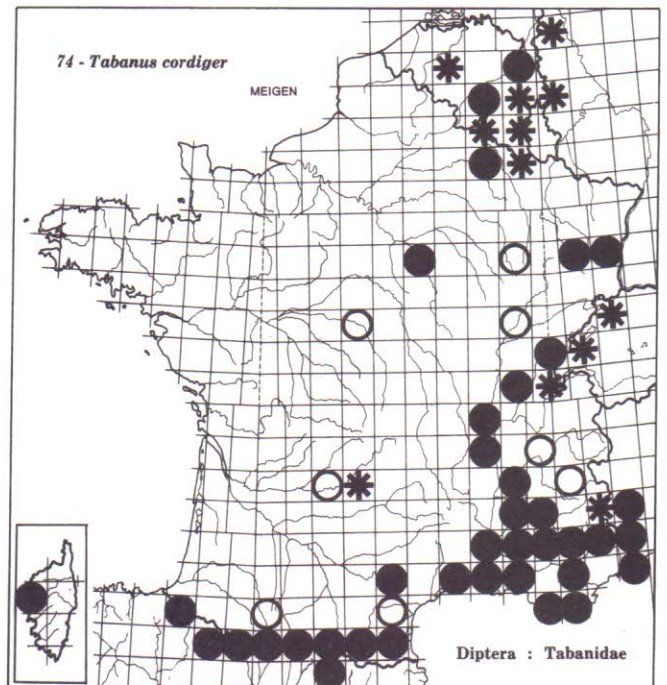
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



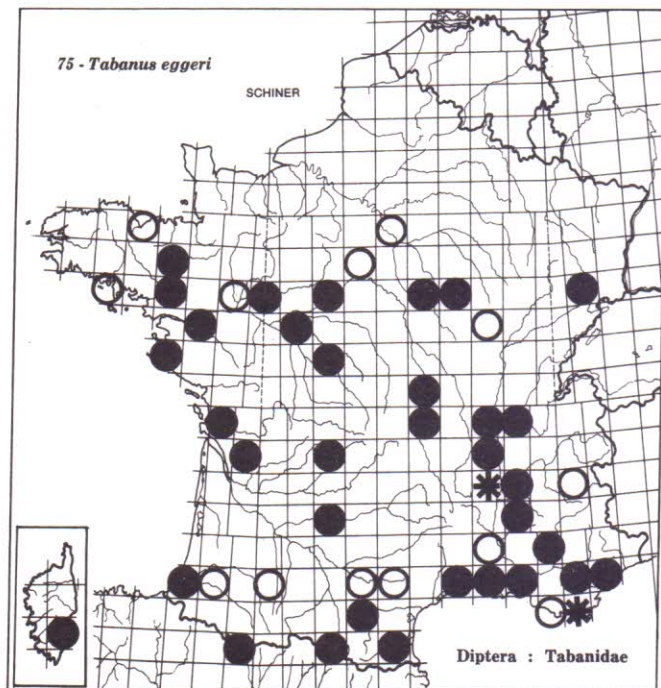
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



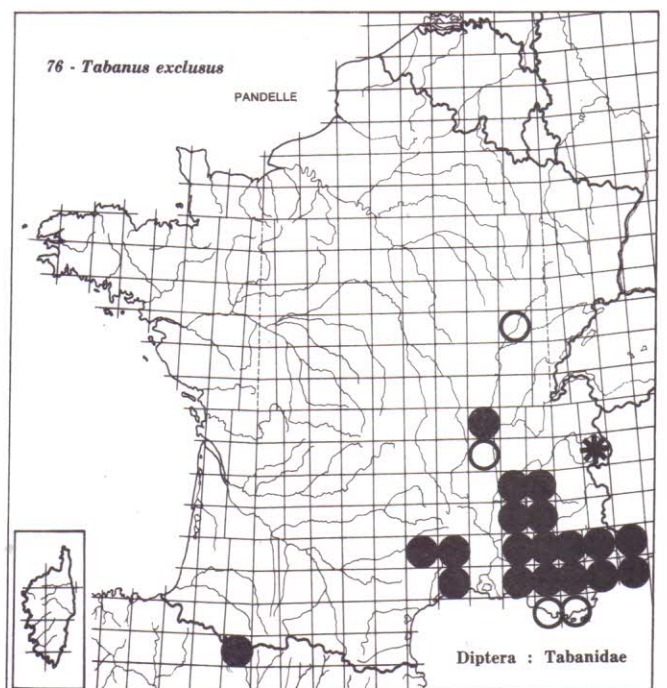
M. LECLERCQ et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



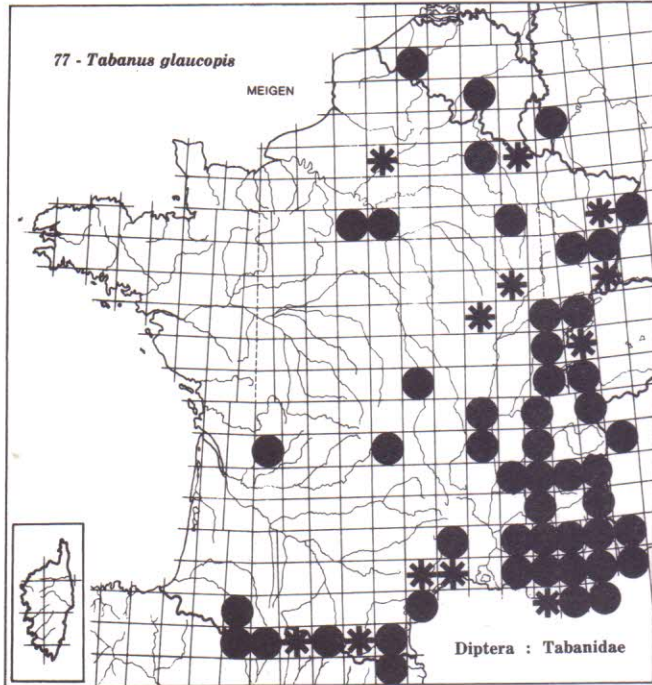
M. LECLERCQ et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



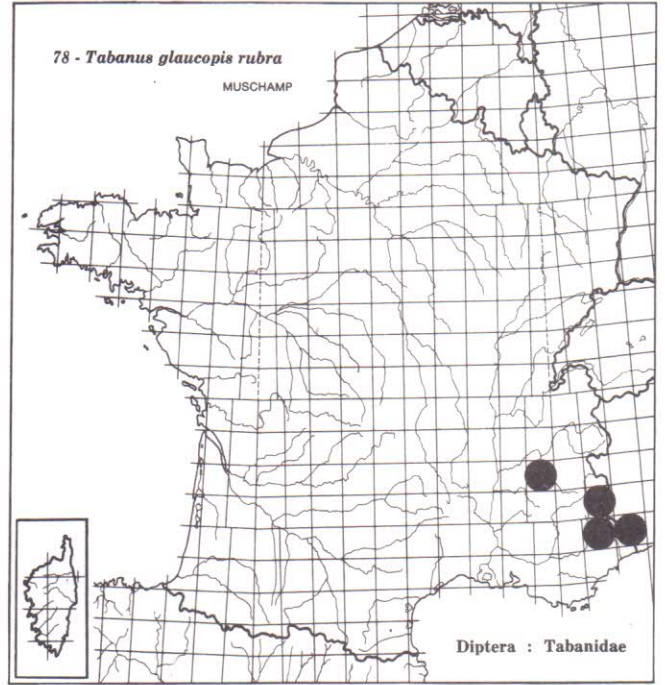
M. LECLERCQ et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



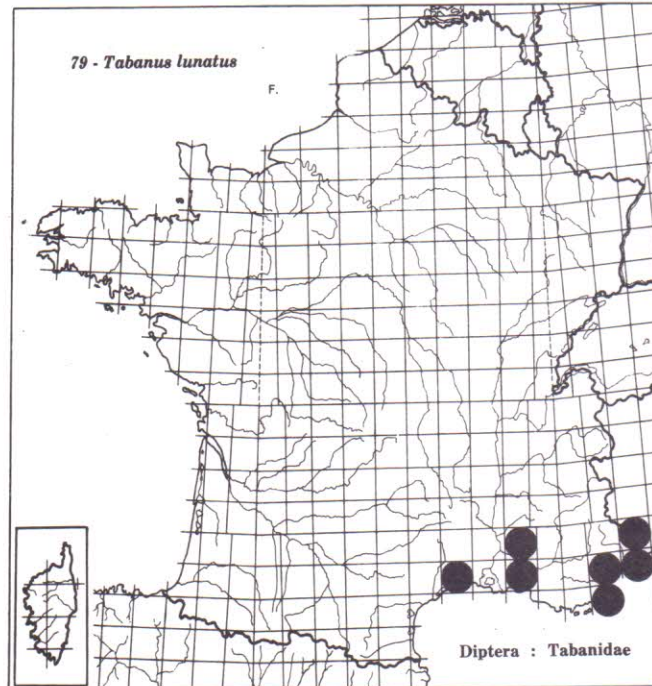
M. LECLERCQ et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



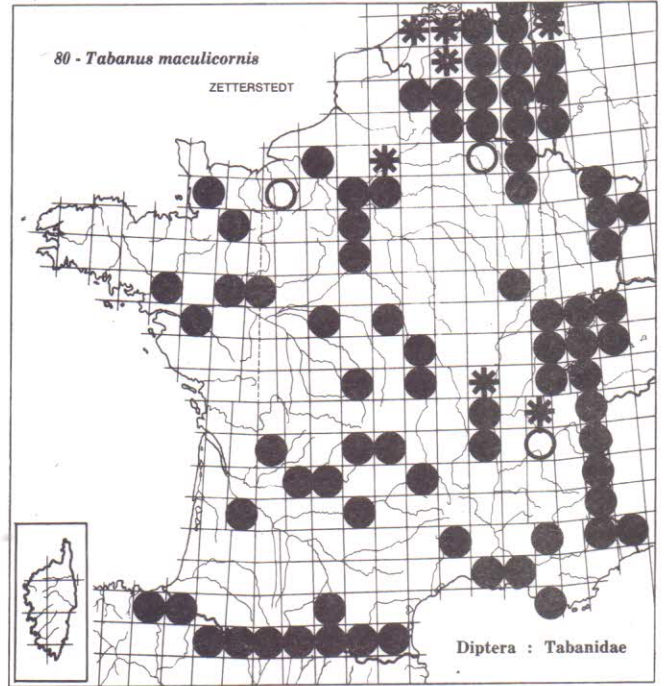
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



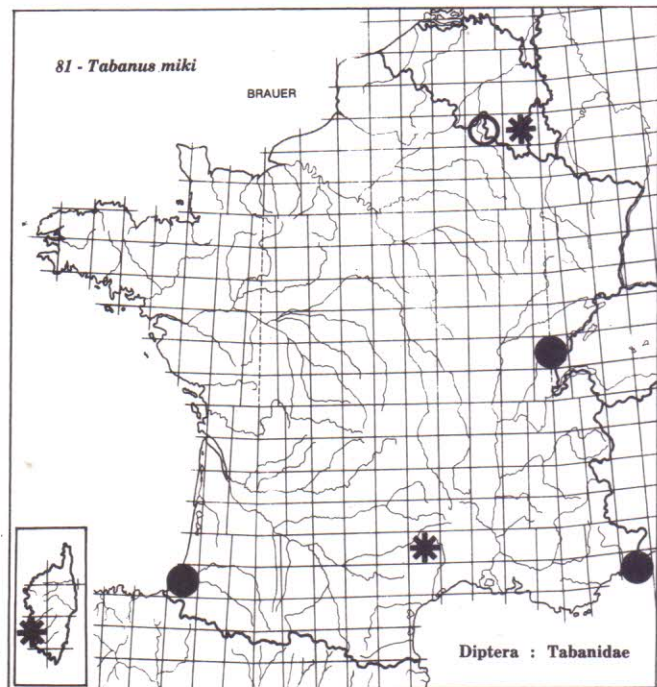
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



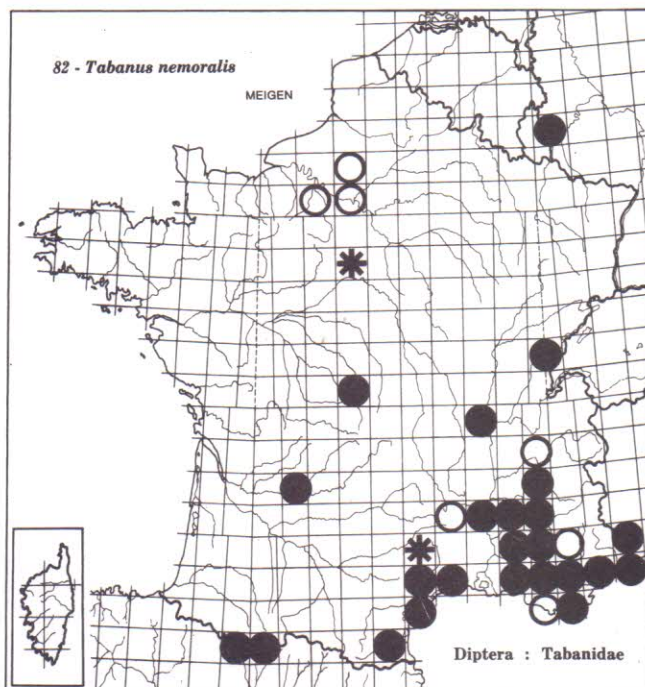
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



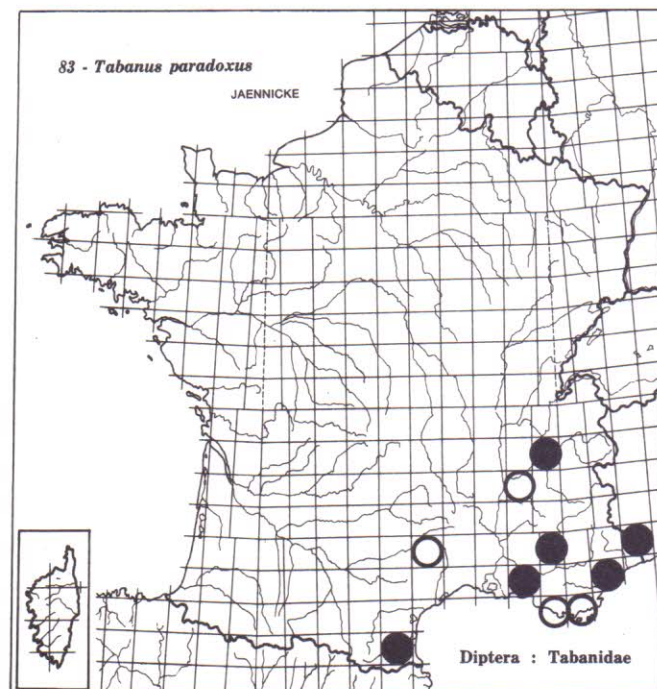
M. LECLERCO et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



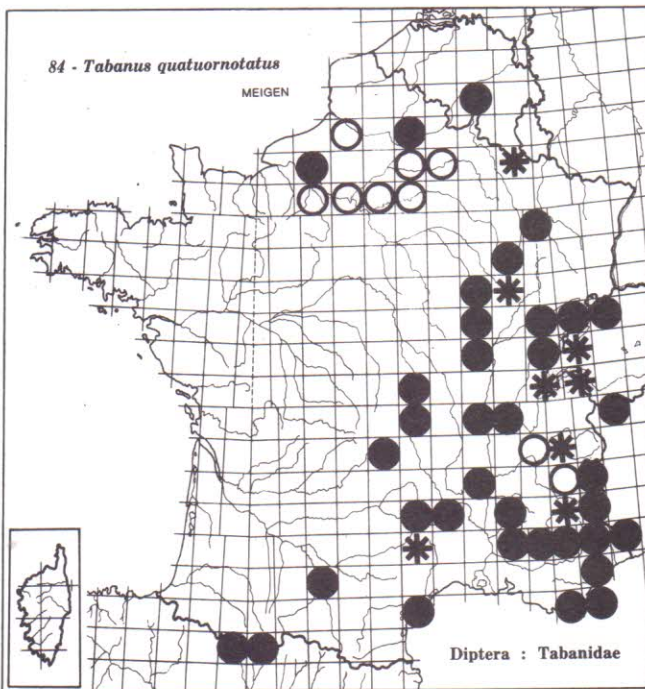
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



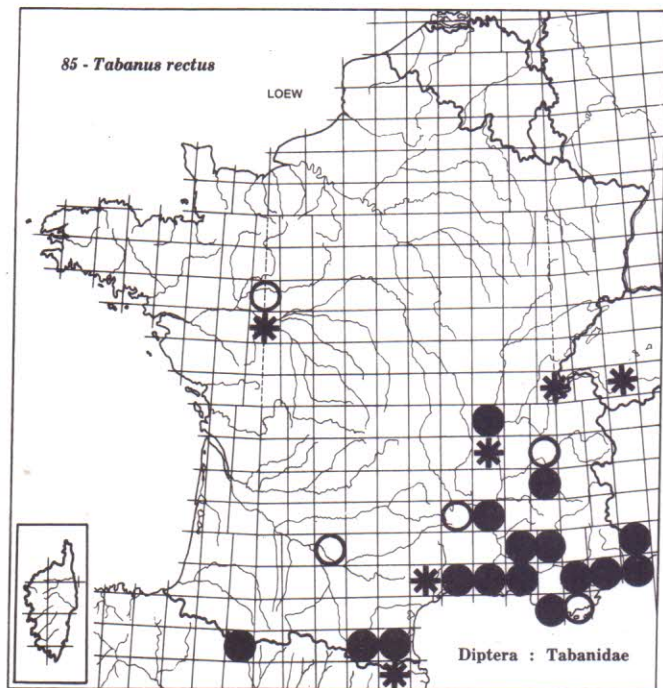
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



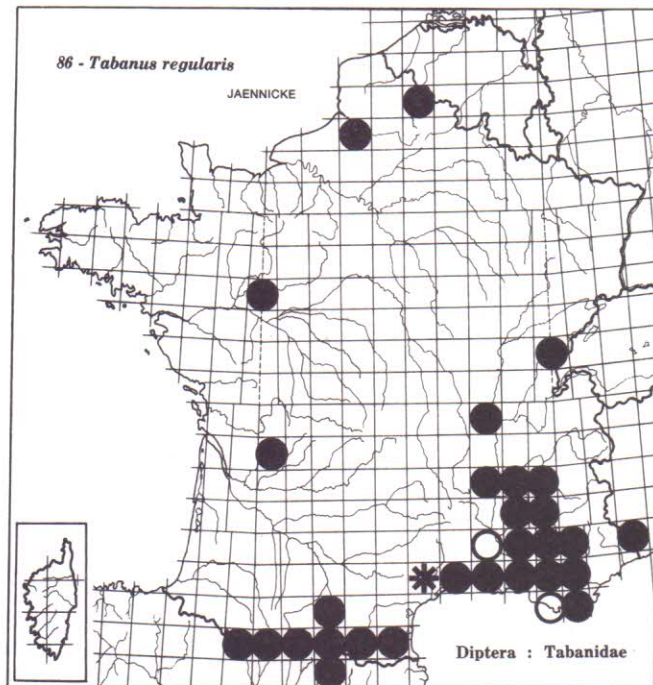
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



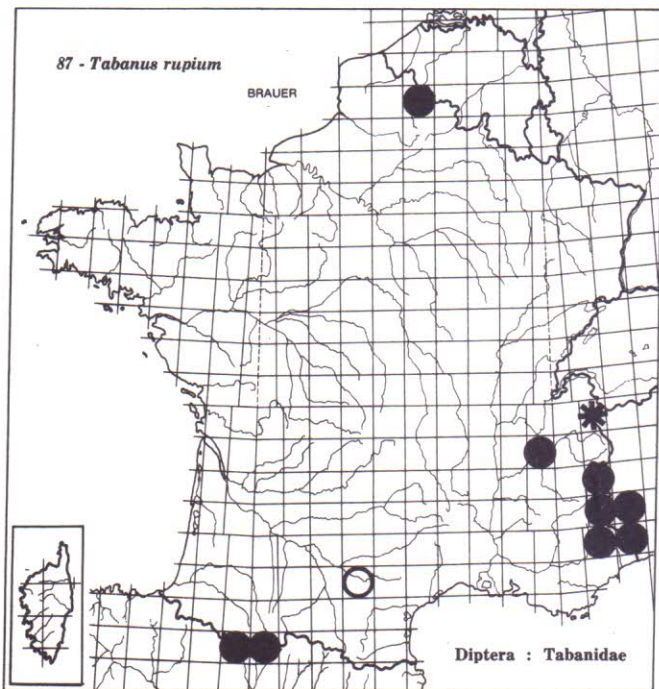
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



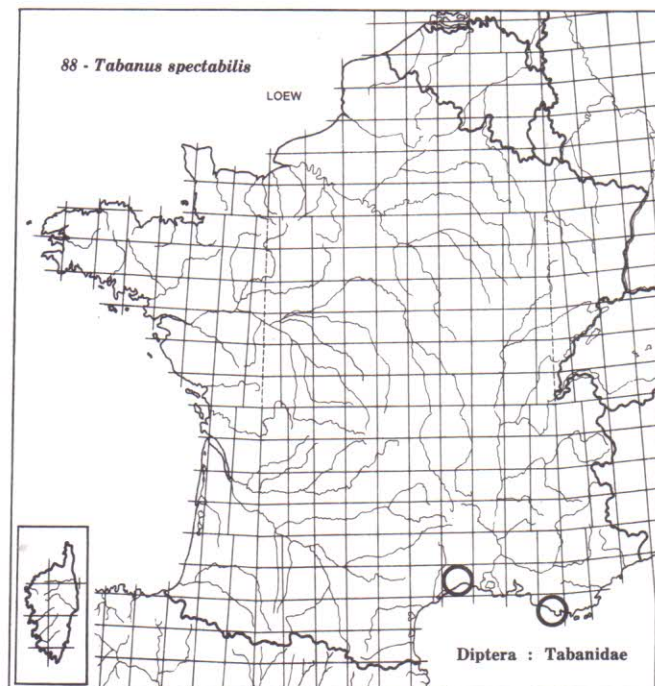
M. LECLERCO et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



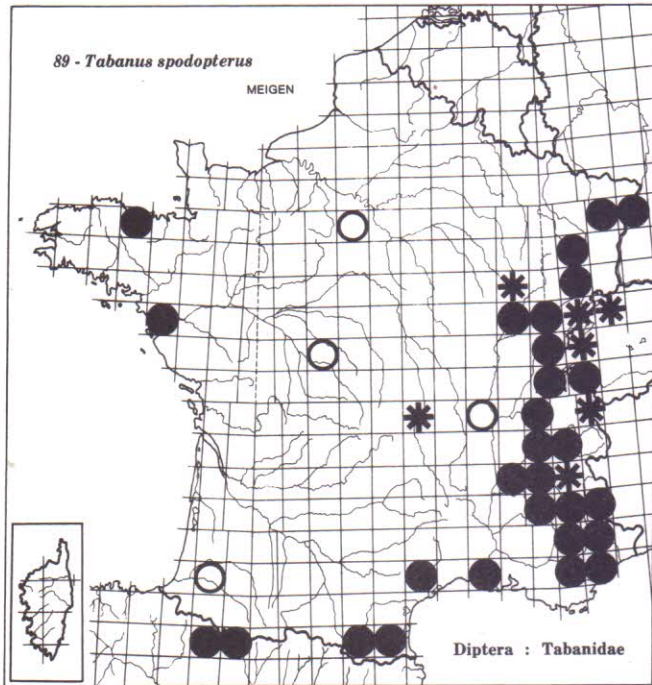
M. LECLERCO et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



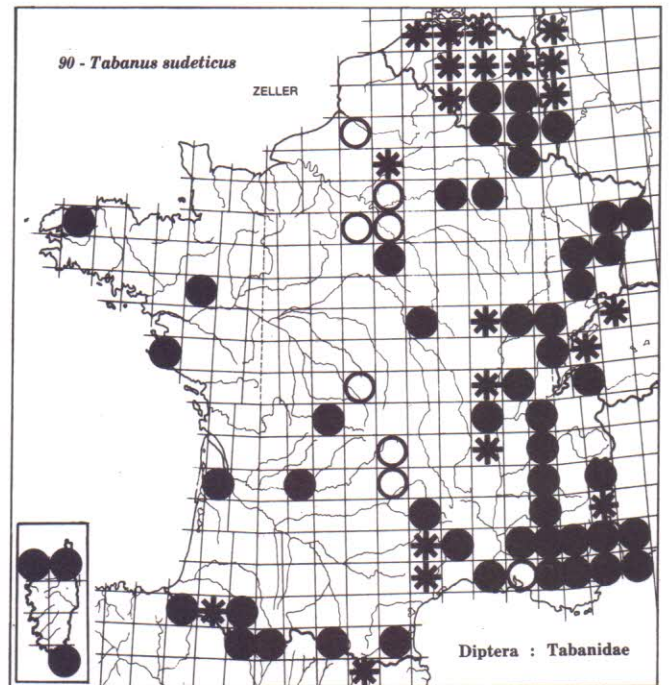
M. LECLERCO et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



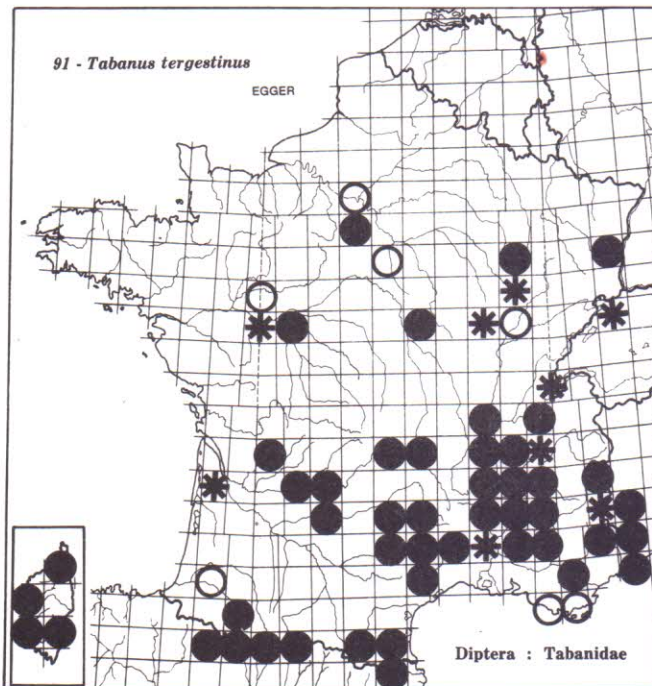
M. LECLERCO et O. PERNOT-VESENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



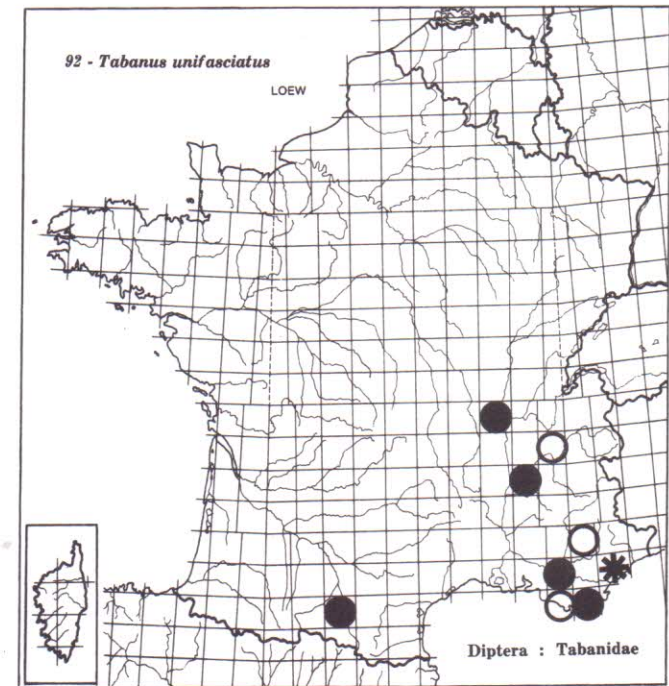
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



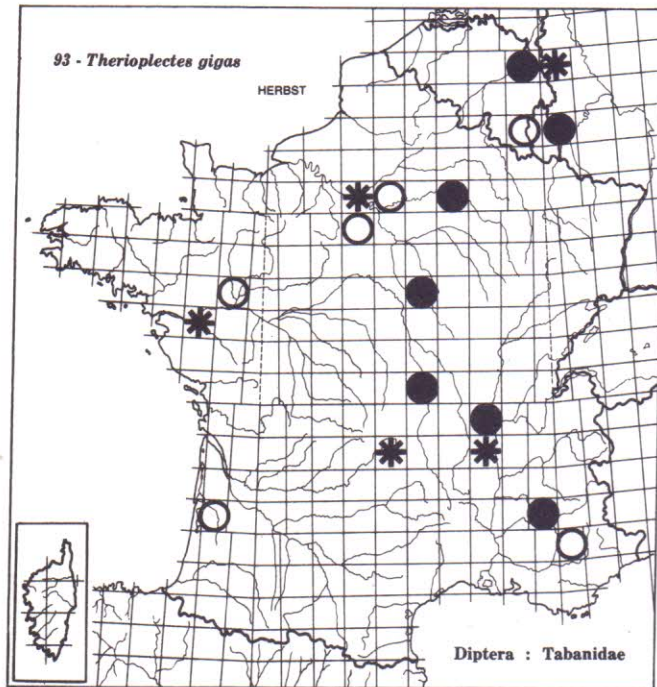
M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)



M. LECLERCQ et O. PERNOT-VISENTIN
Gembloux (C.B.C.I.E.) Versailles (O.P.I.E.)

Dr. Marcel LECLERCQ

Rue Professeur Malvoz, 41

4610 BEYNE-HEUSAY (Belgique)

Dr. Odette PERNOT-VISENTIN

Laboratoire d'Ecologie Animale

Faculté des Sciences

Université de Besançon

Route de Gray — La Bouloie

25000 BESANÇON (France)