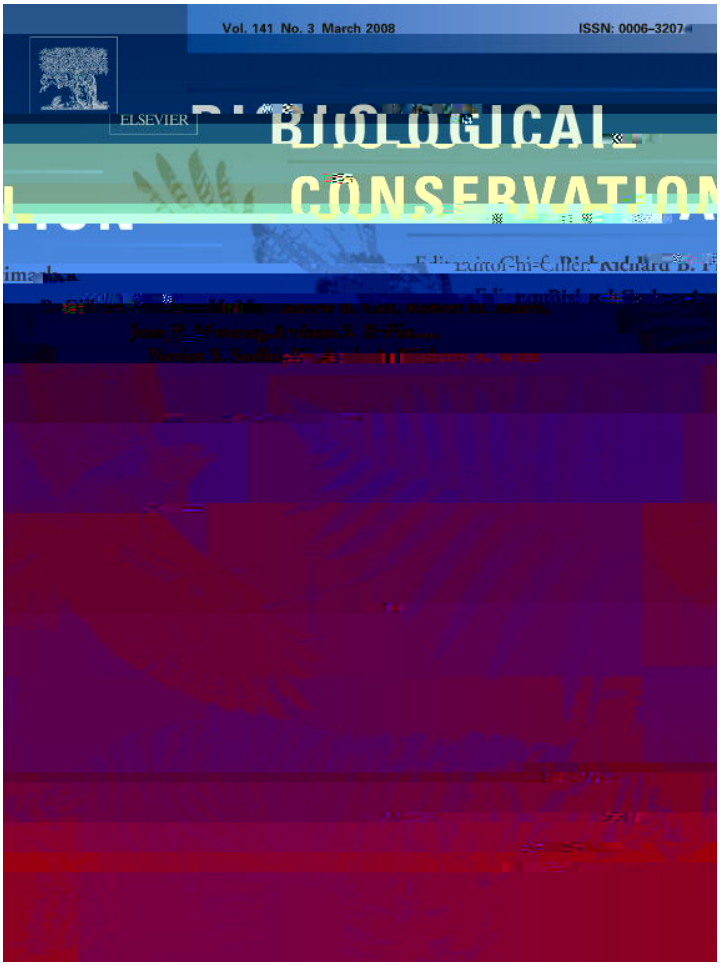

(J R , 1999; T ., 2003; M - L G , 2003) (C ., 2004) - , (M , 1995; F ., 1999; R ., 2004).

O (-) , 40% 60% U.S. (B C , 1981; H ., 1981). T , -

2.3.2. Ant distribution

W
35 J 2006. B -
, , -
- -
(. ., M ., 2002; H H , 2003).
W 4×4 20 ×20
. A
, (,)
. W
,

( ), ( )),
(F . 1). T
24 ( )
2.8 1.8). W
- t- ,
Aphae-
nogaster
. T
30 9 (SD) 117 50
. T
(SD = 209 61 , n = 5)
(45 42 , n = 6).
T
(n = 15)
.

0.49; Hepatica nobilis: F = 11.47, = 2.31 p = 0.002, r^2 = 0.43; Sanguinaria canadensis: F = 10.91, = 1.33, p = 0.0023, r^2 = 0.25; Trillium : F = 9.43, = 1.33, p > 0.004, r^2 = 0.22; Uvularia .: F = 6.59, = 5.28, p = 0.004, r^2 = 0.54; : F = 38.85, = 1.33, p > 0.0001; r^2 = 0.54). T - , Podophyllum peltatum, (F = 7.62, = 1.32, p = 0.009; r^2 = 0.19) (T 1, F . 2).

P - , , , Trillium - (t- ; t = 1.76, = 15, p = 0.098) Uvularia - (t- , t = 1.52, = 15, p = 0.15).

3.2. Ant-seed observations

W 155 - . T - (X^2 = 13.32, v = 6, p < 0.05), ' - (X^2 = 28.26, v = 5, p < 0.001; T 2). A. rudis Myrmica . , Aphaenogaster Myrmica (85% 47%, , X^2 = 14.61, v = 1, p < 0.001). Camponotus Lasius . 25% , Leptothorax, Stenamma Crematogaster . 8% .

3.2.1. Ant distribution

A. rudis Myrmica . - (T 2). V 1880 - (-). A. rudis , - 1880 (, F = 11.53, = 1,33, p = 0.018; r^2 = 0.26; T 1; F . 3). Aphaenogaster >100 (SD = 6.6 3.2 3.8 2.1). T Myrmica ., , , (F . 3).

M Aphaenogaster (, F = 14.5, = 1.33, p = 0.0006; R^2 = 0.31), Myrmica . (F = 0.40, = 1.33, p = 0.53)and

A -
(C H , 2003). I -
US
(B C , 1981;

P , S.M., S , A.B., T , M.G., 1998. F ,
, F
, N C . C 63, 382F395.
P , G.F., G , M., 1984. H
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182.
P , R.J., B , A.J., C , D.C., 1980. P
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: ,
. A R E , E ,
S 35, 491F522.
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. B C 130, 592F603.
R , J.A., B , D.T., P , D.R., A , M.P., 1999. H
25 60
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R , S., H , S., 2003. H ,
. J T B
S 130, 34F42.
R , S., D , M., 1996. C
Erythronium americanum,
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S , B.H., F , P.D., B , A.E., 1989. S .
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T , D.A., J , E.S., R , N.J., M , L.S., 2003. O .
Trillium: C .
E A 13, 1193F1203.
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Trillium camschatscense . B
C 117, 509F519.
T , C.L., C , D.C., 1983. T
Viola nuttallii: A
. O 58, 360F365.
V , M., 2005. I -
Trillium grandiflorum. B C