

(B) Density-independent Factors :-

08.00

09.00

10.00

These factors are extrinsic or abiotic in nature, ex- space or cover, prevailing weather, food supply e.t.c.

11.00

12.00

13.00

14.00

Variations in space or cover, favourable weather and food occur independently of population sizes and may cause drastic change in the abundance of individuals.

15.00

16.00

The interaction of moisture and temperature influences the survival of spruce budworm.

17.00

18.00

Supply of some necessities such as food, essential minerals, etc are also density-independent factors, which regulate the number of individuals of those populations which are not controlled at the mercy of their physical environment.

Extrinsic factors cause irregular fluctuations :-

08.00 Example :-

09.00 (i) Small insect in arid conditions.

or

10.00 Effect of Physical factors

11.00 (ii) Predatory Birds

or

13.00 Availability of food

14.00 (iii) Spruce budworm

or

15.00 Effect of temp. and moisture.

16.00

17.00

18.00

Sunday 12