

WILDLIFE (NORTHERN IRELAND) ORDER 1985
CONSERVATION (NATURAL HABITATS, ETC.) REGULATIONS (NORTHERN IRELAND) 1995
LICENCE TO RELEASE PREDATORY BIO CONTROL ORGANISMS

Ciaran Walsh
Nemos Horticultural Ltd
Unit 37
Woodlands Rise
Arklow
Co. Wicklow, IRELAND



Northern Ireland Environment Agency,
Klondyke Building,
Cromac Avenue,
Gasworks Business Park,
Lower Ormeau Road,
BELFAST BT7 2JA

Licence No: PCO/8/15

Licensee No: 1665

This Licence granted under the terms of Article 18(2)(g) of the Wildlife (NI) Order 1985 or Article 39 (2)(a) of the Conservation (Natural Habitats, etc.) Regulations (NI) 1995 permits the holder or organisation named above:

Purpose of Licence: Licence for the Release of Heterorhabditis bacteriophora in combination with Steinernema carpocapsae and Steinernema feltiae as the product "SuperNemos 2"

Species: Heterorhabditis bacteriophora, Steinernema carpocapsae, Steinernema feltiae

Location/Locality: Northern Ireland

Valid:

From: 28 May 2015

Until: 31 December 2019

This licence is granted subject to the attached conditions, non-compliance with which will constitute an offence and render this licence null and void.

Signed on behalf of the Department:

R A Murray

Dated: 28 May 2015

DEPARTMENT STAMP



NOTE: This licence has the effect of exempting the holder from certain provisions of the following in respect of this licence:

Articles: 18(2)(g) of the Wildlife (Northern Ireland) Order 1985

Regulations: N/A



An Agency within the Department of the
Environment
www.doe.gov.uk



INVESTOR IN TRADE

CONDITIONS ATTACHED TO THIS LICENCE

- (1) The licence must be produced on the demand of a Police Constable or of an Officer duly authorised by the Department.
- (2) Any premises or location where an activity covered by this licence is being undertaken must be available for inspection by a Police Constable or authorised officer of the Department at all reasonable times.
- (3) This licence does not confer on the holder any right of access to any property; It is entirely the responsibility of the licensee to ensure that he is operating with the permission of the landowner or occupier.
- (4) Unless otherwise stated this licence does not confer any right to operate on any nature reserve, permission for which must be obtained from the Department.
- (5) This licence relates only to the species and location named thereon.
- (6) The holder must maintain a record of all licensed activities and must submit a written report of these activities to the Department within one month of the expiry of the licence (or by 31st January if the licence is of a duration of greater than one year).
- (7) No activity undertaken under this licence must be in breach of other articles of the Order.
- (8) The holder may be accompanied by assistants whilst engaged on activities authorised by this licence.
- (9) The Department may suspend or revoke this licence at any time in the event of a breach of the conditions, in which case the licence must be surrendered immediately to the Department. The Department may not issue a licence in a subsequent year to a holder who has committed a breach of the conditions.
- (10) The licence must be produced to the court on the hearing of any prosecution under the Order against the holder, it may then be cancelled or suspended by the court.
- (252) This licence only applies in respect of disease-free Supernemos2
- (253) *H. bacteriophora* and *S. carpocapsae* used in the product known as SuperNemos2 must be sourced from a company that holds a licence for the release of *H. bacteriophora* and *S. carpocapsae* in England, issued under Section 16 of the Wildlife and Countryside Act 1981. The Company will provide the Department with a copy of this licence before any release of Supernemos2 takes place. If the Company acquires *H. bacteriophora* and/or *S. carpocapsae* from a new source, the Company will immediately notify the Department in writing and will provide a copy of the new Supplier's licence for the release of *H. bacteriophora* and *S. carpocapsae* in Northern Ireland.
- (254) If there is evidence that SuperNemos2 has become established in the environment in the vicinity of any premises used for research and development within Supernemos2, the Department shall be notified immediately (and any notification not in writing shall be confirmed in writing)
- (255) The total number of individual nematodes of the species *H. bacteriophora* (licensed as described in condition 253 above) released for control of the pests in an individual crop shall not exceed a total of 500,000 nematodes per square metre per year.
- (256) At the time when the Company supplies Supernemos2 the Company shall also supply a copy of the Grower's Licence and its current instructions for the control of pests in soft fruit, vegetable crops and turf and those instructions shall specify the rate of application of Supernemos2.
- (257) At the time when the company supplies Supernemos2 the Company shall also supply a copy of its grower's guidelines and monitoring protocols designed to minimise the escape of Supernemos2 to the wild.
- (258) If there is evidence that Supernemos2 has caused damage to crops in soft fruit, vegetable crops and/or turf the Department shall be notified immediately (and any notification in writing shall be confirmed in writing).
- (259) Before any release takes place, the Company shall also supply the Department with a written confirmation that a representative sample of Supernemos2 has been deposited in a recognised nematode taxonomic collection
- (260) The Company shall supply the Department with a written report containing detailed information on the releases and monitoring of Supernemos2 by 31st December 2019.
 - a) confirmation that the Licensee's cultures of Supernemos2 were disease and parasite free;
 - b) details of where releases of Supernemos2 have taken place annually and the number of units released at each site;
 - c) an assessment of the impact of Supernemos2 on target and non-target organisms at each release site, and basis for this assessment;
 - d) the extent of any movement of Supernemos2 from the sites of release.

FOR THE RELEASE OF FOR THE RELEASE OF *HETERORHABDITIS BACTERIOPHORA* IN COMBINATION WITH *STEINERNEMA CARPOCAPSAE* AND *STEINERNEMA FELTIAE* AS THE PRODUCT "SUPERNEMOS 2"

SUPPLIER'S LICENCE

PCO Licence.

1. This licence applies in respect of the animal species known as *Heterorhabditis bacteriophora* (Phylum: Nematoda; Order: Rhabditida; Family: Heterorhabditidae) in this licence referred to as "*H. bacteriophora*", when placed on the market in combination with the nematodes *Steinernema carpocapsae* and *Steinernema feltiae* only, as the product 'SuperNemos', in this licence referred to as "SuperNemos2".
2. This licence is granted subject to the following conditions –
 - a) this licence only applies in respect of disease-free SuperNemos2;
 - b) *H. bacteriophora* and *S. carpocapsae* used in the product known as SuperNemos2 must be sourced from a company that holds a licence for the release of *H. bacteriophora* and *S. carpocapsae* in England, issued under Section 16 of the Wildlife and Countryside Act 1981. The Company will provide the Department with a copy of this licence before any release of SuperNemos2 takes place. If the Company acquires *H. bacteriophora* and/or *S. carpocapsae* from a new source, the Company will immediately notify the Department in writing and will provide a copy of the new Supplier's licence for the release of *H. bacteriophora* and *S. carpocapsae* in Northern Ireland;
 - c) if there is evidence that SuperNemos2 has become established in the environment in the vicinity of any premises used for research and development with SuperNemos2, the Department shall be notified immediately (and any notification not in writing shall be confirmed in writing);
 - d) the total number of individual nematodes of the species *H. bacteriophora* (licensed as described in point (3b) above) released for control of the pests in an individual crop shall not exceed a total of 500,000 nematodes per square metre per year.
 - e) at the time when the Company supplies SuperNemos2 the Company shall also supply a copy of the current Grower's Licence and its current instructions for the application of SuperNemos2 for the control of the pests in soft fruit, vegetable crops and turf and those instructions shall specify the rate of application of SuperNemos2;
 - f) at the time when the Company supplies SuperNemos2 the Company shall also supply a copy of its grower's guidelines and monitoring protocols designed to minimise the escape of SuperNemos2 to the wild;

- g) if there is evidence that SuperNemos2 has caused damage to crops in soft fruit, vegetable crops and/or turf the Department shall be notified immediately (and any notification not in writing shall be confirmed in writing);
 - h) before any releases take place, the Company shall also supply the Department with written confirmation that a representative sample of SuperNemos2 has been deposited in a recognised nematode taxonomic collection.
 - i) The Company shall supply the Department with a written report containing detailed information on the releases and monitoring of SuperNemos2 by 31st December 2012:
 - i. confirmation that the Licensee's cultures of SuperNemos2 were disease and parasite free;
 - ii. details of where releases of SuperNemos2 have taken place annually and the numbers of units released at each site;
 - iii. an assessment of the impact of SuperNemos2 on target and non-target organisms at each release site, and the basis for this assessment;
 - iv. the extent of any movement of SuperNemos2 from the sites of release.
3. This licence shall be valid until 31st December 2019 subject to prior modification or revocation at any time.

DEPARTMENT FOR ENVIRONMENT: Northern Ireland Environment Agency

FOR THE RELEASE OF FOR THE RELEASE OF *HETERORHABDITIS BACTERIOPHORA* IN COMBINATION WITH *STEINERNEMA CARPOCAPSAE* AND *STEINERNEMA FELTIAE* AS THE PRODUCT "SUPERNEMOS 2"

GROWER'S LICENCE

PCO Licence.

1. This licence applies in respect of the animal species known as *Heterorhabditis bacteriophora* (Phylum: Nemata; Order: Rhabditida; Family: Heterorhabditidae) in this licence referred to as "*H. bacteriophora*", when placed on the market in combination with the nematodes *Steinernema carpocapsae* and *Steinernema feltiae* only, as the product 'SuperNemos', in this licence referred to as "SuperNemos2", supplied by Nemos Horticulture Ltd whose office is at 37 Woodlands Rise, Arklow, County Wicklow, Ireland ("the Company").
2. This licence is granted subject to the following conditions –
 - a) the instructions provided by the Company for the application of SuperNemos2 shall be complied with and the application rate for the time being recommended by the Company for the control of the pests on the crops shall not be exceeded; and
 - b) the grower guidelines and monitoring protocols outlined by the Company to minimise the escape of SuperNemos2 should be followed; and
 - c) any management procedure required by the Company to control or eradicate SuperNemos2 shall be complied with, including permitting the use of pesticides within the release site; and
 - d) if there is evidence that SuperNemos2 has become established in the environment and/or in the vicinity of any glasshouse in which SuperNemos2 has been applied, the Northern Ireland Environment Agency Wildlife Inspector shall be notified immediately (and any notification not in writing shall be confirmed in writing as soon as possible).
4. This licence shall be valid until 31st December 2019 subject to prior modification or revocation at any time.