

Sustainable Canadian Agricultural Partnership

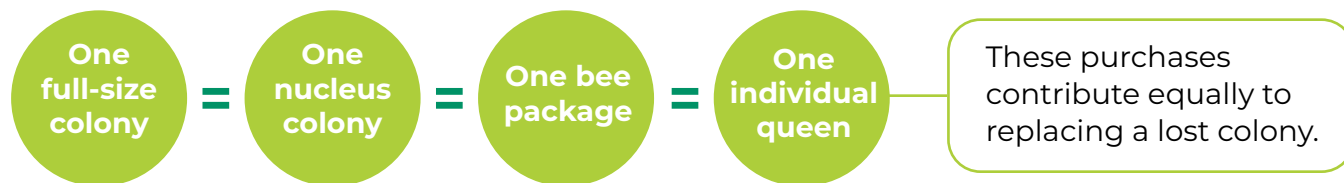
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Payments for Replacement of Extraordinary Losses



Extraordinary loss - colony mortality exceeding the normal loss rate of 30 per cent over the 2021/22 winter.

Replacement stock - what is purchased to replace a colony.



Payment rates - extraordinary losses are paid based on the replacement type.

TYPE OF REPLACEMENT STOCK	PAYMENT RATE
Colonies (including nucleus colonies)	\$ 210
Packages	\$ 140
Queens (individual)	\$ 35

Payment calculation

1. Calculate your extraordinary loss:



The extraordinary loss is the number of colonies that exceed the above normal (>30 per cent) portion of the winter loss mortality in 2021/22.

2. List replacement stock purchases from January 1, 2022 to June 30, 2023 that were used to replace 2021/22 winter losses.

Purchases for growth or those covering winter losses for 2022/23 are not eligible.

EXAMPLE

Replacement Stock Purchases

10 colonies	May 14, 2022
20 queens	May 30, 2022
7 packages	June 20, 2022
15 queens	May 15, 2023
10 packages	June 1, 2023

62 replacements January 1, 2022 – June 30, 2023

3. How to tell which purchases are extraordinary and eligible for assistance:

Order in which replacements are selected from your list of replacements purchased from January 1, 2022 to June 30, 2023.



4. Calculate payment for replacements purchased to cover extraordinary losses.

The payment is calculated using the number and type of replacement stock identified as eligible purchases and covering the extraordinary loss:

$$\begin{matrix} \$210 \times \\ \text{Colonies} \end{matrix} + \begin{matrix} \$140 \times \\ \text{Packages} \end{matrix} + \begin{matrix} \$35 \times \\ \text{Queens} \end{matrix} = \text{Payment for Extraordinary Loss}$$



Example of Payment

Scenario: A producer starts the winter of 2021/22 with 100 colonies, suffers high winter mortality, and has 43 viable colonies remaining in spring:

100 colonies on Nov. 1, 2021

43 viable colonies remaining on May 21, 2022

1. The total winter loss, normal winter loss, and extraordinary loss are:

<div style="background-color: #92d050; border-radius: 15px; padding: 10px; width: 25%;"> <p>Total Colonies Lost Nov.1, 2021 to May 21, 2022</p> </div>	-	<div style="background-color: #92d050; border-radius: 15px; padding: 10px; width: 25%;"> <p>Normal Winter Colonies Lost 30% of Nov.1, 2021 inventory</p> </div>	=	<div style="background-color: #92d050; border-radius: 15px; padding: 10px; width: 25%;"> <p>Extraordinary Loss Exceeding normal winter loss</p> </div>
<p>100 colonies - 43 colonies</p> <hr style="border: 0.5px solid #92d050;"/> <p>= 57 colony total loss</p>		<p>30 per cent x 100 colonies</p> <hr style="border: 0.5px solid #92d050;"/> <p>= 30 colony normal loss</p>		<p>57 colonies - 30 colonies</p> <hr style="border: 0.5px solid #92d050;"/> <p>= 27 colony extraordinary loss</p>

2. A total of 62 replacements are purchased:

PURCHASE PERIOD	COLONIES	PACKAGES	QUEENS	TOTAL
January 1, 2022 to June 30, 2023	10	17	35	62

3. The 62 replacements are allocated to normal winter loss, extraordinary loss, and replacements after recovery as follows:

- **Normal Loss** - The 30 lowest value purchases (30 queens in this case), cover the normal winter loss and are not eligible for payment.
- **Extraordinary Loss** - The 27 highest value purchases (10 colonies and 17 packages in this case) cover the extraordinary loss and are eligible for payment.
- **Replacements after Recovery** - The remaining replacements not identified as covering normal or extraordinary loss over the winter of 2021/22 (5 queens in this case), are not eligible for payment.

4. The program payment for the 27 replacements (10 colonies and 17 packages) for extraordinary losses is calculated using the program rates of \$210 per colony and \$140 per package:

$$(\$210 \times 10 \text{ colonies}) + (\$140 \times 17 \text{ packages}) = \mathbf{\$4,480 \text{ payment}}$$

