## COST OF POLLINATION INQUIRY - November 2016



Please make corrections to name, address and ZIP Code, if necessary.
The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every employee and agent has taken an oath and is subject to a jail term, a fine, or both if he or she willfully discloses ANY identifiable information about you or your operation. Response is voluntary.

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## SECTION 1 - HONEY BEE POLLINATION

1. During 2016, did the operation listed on the label own or have any honey bee colonies brought in for pollination?
$2271 \quad 1 \square$ Yes - Continue $\quad{ }_{3} \square$ No - Go to Section 3
2. During 2016, how many total honey bee colonies did this operation use to pollinate crops? (Include all colonies owned or brought onto this operation.)

| Colonies |
| :--- |
| 2275 |


| Dollars |
| :--- |
| 2276 |


| 1 | 2 | 3 |  | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |

4. Please report for all NUT crops grown for any purpose on this operation.

| ALMONDS | 2800 | 2801 | 2802 | $\begin{aligned} & 2803 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2804 | $2805$ <br> \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2806 | 2807 | 2808 | 2809 | $\begin{aligned} & 2810 \\ & 1 \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2811 | 2812 |
| - |  |  |  |  |  | \$ |

5. Please report for all MELON crops grown for any purpose on this operation.

| WATERMELON | 2919 | 2920 | 2921 | $\begin{aligned} & 2922 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2923 | $2924$ <br> \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CANTALOUPE | 2977 | 2978 | 2982 | $\begin{aligned} & 2979 \\ & { }_{1} \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2980 | 2981 $\$$ |
| $2932$ <br> OTHER/SPECIFY | 2933 | 2934 | 2935 | $\begin{aligned} & 2936 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2937 | 2938 |

6. Please report for all OIL/HAY/SEED crops grown for any purpose on this operation.

| CANOLA/ RAPESEED | 2898 | 2899 | 2900 | $\begin{aligned} & 2901 \\ & { }_{1} \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2902 | $2903$ <br> \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SUNFLOWERS | 2905 | 2906 | 2907 | $\begin{aligned} & 2908 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2909 | $2910$ <br> \$ |
| 2911 <br> OTHER/SPECIFY | 2912 | 2913 | 2914 | $\begin{aligned} & 2915 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2916 | 2917 $\$$ |

7. Please report for all VEGETABLE crops grown for any purpose on this operation.

| 1 <br> Please answer for all vegetable crops pollinated by honey bees in 2016 (whether the bees are owned by the operation or brought in). | 2 <br> In 2016, how many acres of the crop in column 1 did honey bees pollinate? | How man honey bee to pollinat column Repor owne operatio colonies the o | 3 <br> colonies of were used the crop in in 2016? colonies by this and those rought onto eration. <br> Brought onto/ Not owned | 4 <br> Did this operation pay for honey bees to pollinate any acres of the crop in column 1 in 2016? | 5 <br> For how many acres of the crop in column 1 did this operation pay for pollination by honey bees in 2016? | 6 <br> In 2016, what was the total amount paid for honey bees not owned by this operation to pollinate the crop in column 1? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Crop) | (Acres) | (C | s) |  | (Acres) | (Dollars) |
| CUCUMBER | 2940 | 2941 | 2942 | $\begin{aligned} & 2943 \\ & \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2944 | $2945$ <br> \$ |
| PUMPKIN | 2947 | 2948 | 2949 | $\begin{aligned} & 2950 \\ & { }_{1} \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2951 | $\begin{aligned} & 2952 \\ & \$ \end{aligned}$ |
| SQUASH | 2954 | 2955 | 2956 | $\begin{aligned} & 2957 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2958 | $\begin{aligned} & 2959 \\ & \$ \end{aligned}$ |
| $2960$ <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |
| $2960$ <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |
| $2960$ <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |
| $2960$ <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |
| $2960$ <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |
| 2960 <br> OTHER/SPECIFY $\qquad$ | 2961 | 2962 | 2963 | $\begin{aligned} & 2964 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2965 | $\begin{aligned} & 2966 \\ & \$ \end{aligned}$ |

8. Please report for all TREE FRUIT crops grown for any purpose on this operation.

| 1 <br> Please answer for all tree fruit crops pollinated by honey bees in 2016 (whether the bees are owned by the operation or brought in). | $\begin{gathered} 2 \\ \text { In 2016, how } \\ \text { many acres of } \\ \text { the crop in } \\ \text { column } 1 \text { did } \\ \text { honey bees } \\ \text { pollinate? } \end{gathered}$ | How many honey bee to pollinat column Repor owne operatio colonies the op | 3 <br> colonies of were used the crop in in 2016? colonies by this and those rought onto eration. <br> Brought onto/ Not owned | 4 <br> Did this operation pay for honey bees to pollinate any acres of the crop in column 1 in 2016? | 5 <br> For how many acres of the crop in column 1 did this operation pay for pollination by honey bees in 2016? | 6 <br> In 2016, what was the total amount paid for honey bees not owned by this operation to pollinate the crop in column 1? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Crop) | (Acres) | (C | es) |  | (Acres) | (Dollars) |
| APPLES | 2814 | 2815 | 2816 | $\begin{aligned} & 2817 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2818 | $2819$ <br> \$ |
| CHERRIES | 2821 | 2822 | 2823 | $\begin{aligned} & 2824 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2825 | $2826$ <br> \$ |
| ORANGES | 2835 | 2836 | 2837 | $\begin{aligned} & 2838 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2839 | $2840$ <br> \$ |
| PEACHES/ NECTARINES | 2842 | 2843 | 2844 | $2845$ $\square$ Yes - Continue $3 \square$ $\square$ No - Go to next crop | 2846 | $2847$ <br> \$ |
| PEARS | 2849 | 2850 | 2851 | $\begin{aligned} & 2852 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2853 | $\begin{array}{\|l} 2854 \\ \$ \end{array}$ |
| 2855 OTHER/SPECIFY | 2856 | 2857 | 2858 | $\begin{aligned} & 2859 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | $2860$ | $2861$ <br> \$ |
| 2855 OTHER/SPECIFY $\qquad$ | 2856 | 2857 | 2858 | $\begin{aligned} & 2859 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | $2860$ | $\begin{array}{\|l} 2861 \\ \$ \\ \hline \end{array}$ |
| 2855 OTHER/SPECIFY | 2856 | 2857 | 2858 | $\begin{aligned} & 2859 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2860 | $\begin{aligned} & 2861 \\ & \$ \end{aligned}$ |
| 2855 OTHER/SPECIFY | 2856 | 2857 | 2858 | $\begin{aligned} & 2859 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | $2860$ | $2861$ <br> \$ |

9. Please report for all BERRY AND OTHER FRUIT crops grown for any purpose on this operation.

| 1 <br> Please answer for all berry and other fruit crops pollinated by honey bees in 2016 (whether the bees are owned by the operation or brought in). | $\begin{gathered} 2 \\ \text { In 2016, how } \\ \text { many acres of } \\ \text { the crop in } \\ \text { column } 1 \text { did } \\ \text { honey bees } \\ \text { pollinate? } \end{gathered}$ | How man honey be to pollina column Repor owned operatio colonies the o | 3 <br> colonies of were used the crop in in 2016? colonies by this and those rought onto eration. <br> Brought onto/ Not owned | 4 <br> Did this operation pay for honey bees to pollinate any acres of the crop in column 1 in 2016? | 5 <br> For how many acres of the crop in column 1 did this operation pay for pollination by honey bees in 2016? | 6 <br> In 2016, what was the total amount paid for honey bees not owned by this operation to pollinate the crop in column 1? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Crop) | (Acres) | (Col | es) |  | (Acres) | (Dollars) |
| BLUEBERRIES | 2863 | 2864 | 2865 | $\begin{aligned} & 2866 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2867 | $2868$ <br> \$ |
| CRANBERRIES | 2870 | 2871 | 2872 | $\begin{aligned} & 2873 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2874 | $2875$ <br> \$ |
| GRAPES | 2828 | 2829 | 2830 | $\begin{aligned} & 2831 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2832 | $2833$ <br> \$ |
| RASPBERRIES | 2877 | 2878 | 2879 | $\begin{aligned} & 2880 \\ & { }_{1} \square \text { Yes - Continue } \\ & { }_{3} \square \text { No - Go to next crop } \end{aligned}$ | 2881 | $2882$ <br> \$ |
| STRAWBERRIES | 2884 | 2885 | 2886 | $\begin{aligned} & 2887 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2888 | $2889$ <br> \$ |
| 2890 OTHER/SPECIFY $\qquad$ | 2891 | 2892 | 2893 | $\begin{aligned} & 2894 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2895 | $2896$ <br> \$ |
| $2890$ <br> OTHER/SPECIFY | 2891 | 2892 | 2893 | $\begin{aligned} & 2894 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | 2895 | $2896$ <br> \$ |
| $2890$ OTHER/SPECIFY | 2891 | 2892 | 2893 | 2894 $\square$ Yes - Continue $3 \square$ $\square$ No - Go to next crop | 2895 | $2896$ <br> \$ |
| 2890 OTHER/SPECIFY $\qquad$ | 2891 | 2892 | 2893 | $\begin{aligned} & 2894 \\ & 1 \square \text { Yes - Continue } \\ & 3 \square \text { No - Go to next crop } \end{aligned}$ | $2895$ | $2896$ <br> \$ |

-6-

|  | 2891 | 2892 | 2893 | $\begin{aligned} & 2894 \\ & \begin{array}{l} \square \text { Yes - Continue } \\ 3 \square \text { No - Go to next crop } \end{array} \end{aligned}$ | 2895 | 2896 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | \$ |

10. Please report for ALL OTHER crops grown for any purpose on this operation.

\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \begin{tabular}{l}
1 \\
Please answer for all other crops pollinated by honey bees in 2016 (whether the bees are owned by the operation or brought in).
\end{tabular} \& \begin{tabular}{l}
2 \\
In 2016, how many acres of the crop in column 1 did honey bees pollinate?
\end{tabular} \& How man honey bee to pollinat column Report owne operation colonies the op \& \begin{tabular}{l}
3 \\
colonies of were used the crop in in 2016? colonies by this and those rought onto eration. \\
Brought onto/ Not owned
\end{tabular} \& \begin{tabular}{l}
4 \\
Did this operation pay for honey bees to pollinate any acres of the crop in column 1 in 2016?
\end{tabular} \& \begin{tabular}{l}
5 \\
For how many acres of the crop in column 1 did this operation pay for pollination by honey bees in 2016?
\end{tabular} \& \begin{tabular}{l}
6 \\
In 2016, what was the total amount paid for honey bees not owned by this operation to pollinate the crop in column 1?
\end{tabular} \\
\hline (Crop) \& (Acres) \& (C \& ies) \& \& (Acres) \& (Dollars) \\
\hline \begin{tabular}{l}
2967 \\
OTHER/SPECIFY
\end{tabular} \& 2968 \& 2969 \& 2970 \& \[
\begin{aligned}
\& 2971 \\
\& 1 \square \text { Yes - Continue } \\
\& 3 \square \text { No - Go to next crop }
\end{aligned}
\] \& 2972 \& \begin{tabular}{l}
\[
2973
\] \\
\$
\end{tabular} \\
\hline ```
2967
``` \& 2968 \& 2969 \& 2970 \& \[
\begin{aligned}
\& 2971 \\
\& 1 \square \text { Yes - Continue } \\
\& { }_{3} \square \text { No - Go to next crop }
\end{aligned}
\] \& 2972 \& \begin{tabular}{l}
\[
2973
\] \\
\$
\end{tabular} \\
\hline \begin{tabular}{l}
\[
2967
\] \\
OTHER/SPECIFY
\end{tabular} \& 2968 \& 2969 \& 2970 \& 2971
\(\square\) Yes - Continue

$\square$ No - Go to next crop \& 2972 \& | $2973$ |
| :--- |
| \$ | <br>


\hline | $2967$ |
| :--- |
| OTHER/SPECIFY | \& \[

2968

\] \& 2969 \& 2970 \& \[

$$
\begin{aligned}
& 2971 \text { Yes - Continue } \\
& 1 \square \text { No - Go Section } 3
\end{aligned}
$$

\] \& 2972 \& | $2973$ |
| :--- |
| \$ | <br>


\hline | $2967$ |
| :--- |
| OTHER/SPECIFY | \& 2968 \& 2969 \& 2970 \& \[

$$
\begin{aligned}
& 2971 \\
& 1 \square \text { Yes - Continue } \\
& \square \square \text { No - Go Section } 3
\end{aligned}
$$

\] \& 2972 \& | $2973$ |
| :--- |
| \$ | <br>

\hline $$
\begin{array}{|l}
2967 \\
\text { OTHER/SPECIFY }
\end{array}
$$ \& 2968 \& 2969 \& 2970 \& \[

$$
\begin{aligned}
& 2971 \\
& 1 \square \text { Yes - Continue } \\
& 3 \square \text { No - Go Section } 3
\end{aligned}
$$

\] \& 2972 \& | $2973$ |
| :--- |
| \$ | <br>


\hline | $2967$ |
| :--- |
| OTHER/SPECIFY $\qquad$ | \& 2968 \& 2969 \& 2970 \& \[

$$
\begin{aligned}
& 2971 \\
& 1 \square \text { Yes - Continue } \\
& 3 \square \text { No - Go Section } 3
\end{aligned}
$$

\] \& 2972 \& | $2973$ |
| :--- |
| \$ | <br>

\hline $$
\begin{array}{|l|l|}
2967 \\
\text { OTHER/SPECIFY }
\end{array}
$$ \& 2968 \& 2969 \& 2970 \& \[

$$
\begin{aligned}
& 2971 \text { Yes - Continue } \\
& 1 \square \text { No - Go Section } 3
\end{aligned}
$$

\] \& \[

2972

\] \& | $2973$ |
| :--- |
| \$ | <br>

\hline
\end{tabular}

## SECTION 3 - OTHER POLLINATION COSTS

11. During 2016, did this operation pay for products or services used to increase pollination that did not involve honey bees? (exclude any fees, expenses to maintain, or transportation costs related to honey bees.) 2991
${ }_{1} \square$ Yes - Continue to Item 11a $\quad{ }_{3} \square$ No - Go to Section 4
a. How much did this operation pay in 2016 for pollination using other, non-apis bees (include bumble, cutter, etc.)?
b. How much did this operation pay in 2016 for artifical pollination?
c. How much did this operation pay in 2016 for all other forms of increasing pollination? (include flower mixes, bee attractants, bat houses, etc.).

| None | Dollars |
| :---: | :--- |
| $\square$ | 2992 <br> $\$$ |
| $\square$ | 2993 <br> $\$$ |
| $\square$ | 2994 <br> $\$$ |

## SECTION 4 - COMMENTS

## SECTION 5 - CHANGE IN OPERATOR

12. Has the operation (named on label) been sold or turned over to someone else?
$1 \square$ Yes - Identify the new operator(s) below $\quad{ }_{3} \square \mathrm{No}$ - Go to Section 6

Operation Name: $\qquad$
Operator Name: $\qquad$
Address: $\qquad$ Phone: ( ) $\qquad$ - $\qquad$
City: $\qquad$ State: $\qquad$ Zip: $\qquad$ - $\qquad$

## SECTION 6 - CONCLUSION

13. Survey Results: To receive the complete results of this survey on the release date, go to
http://www.nass.usda.gov/Surveys/Guide to NASS Surveys/

Would you rather have a brief summary mailed to you at a later date? $\quad 1$YesNo

9990

THANK YOU FOR YOUR COOPERATION.


Office Use Only

| Response |  | Respondent |  | Mode |  | $\begin{array}{\|l\|} \hline \text { Enum. } \\ \hline 9998 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { Eval. } \\ \hline 9900 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { Change } \\ \hline 9985 \end{array}$ | Office Use for POID |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { 1-Comp } \\ & \text { 2-R } \\ & \text { 3-Inac } \\ & \text { 4-Office Hold } \\ & \text { 5-R - Est } \\ & \text { 6-Inac - Est } \\ & \text { 7-Off Hold - Est } \end{aligned}$ | 9901 | $\begin{aligned} & \text { 1-Op/Mgr } \\ & \text { 2-Sp } \\ & \text { 3-Acct/Bkpr } \\ & \text { 4-Partner } \\ & \text { 9-Oth } \end{aligned}$ | 9902 | ```1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-E-mail 7-Fax 8-CAPI 19-Other``` | 9903 |  |  |  | 9989 |  |  |  |
|  |  |  |  |  |  |  | R. Unit |  | Optional Use |  |  |  |
|  |  |  |  |  |  |  | 9921 |  | 9907 | 9908 | 9906 | 9916 |
| S/E Name |  |  |  |  |  |  |  |  |  |  |  |  |

