

## Appendix L. Comparison Summary Tables – Avian Acute dose-based RQs Using Different Species

Acute oral LD<sub>50</sub> toxicity values for smaller birds (i.e., sharp-tailed grouse) weigh less, and are not as toxic (have a higher LD<sub>50</sub> value, 64.9 mg/kg-bw versus 36.9 mg/kg-bw) compared to larger birds (i.e., Canada goose) that weigh more. From this it was concluded that larger birds are more sensitive to oral dosages of naled. This may result in an overestimation of risk to the CCR, therefore, a comparison of dose-based RQs was completed to show the differences in resulting RQ values compared to body weight of test species (Tables 1 and 2). The greater the LD<sub>50</sub> value was the lower the RQ values were. There were still listed and non-listed species LOC (0.1 and 0.5, respectively) exceedances for all use scenarios of naled on 100% dietary basis using any of the three birds toxicity endpoints consuming short grass, tall grass, broadleaf plants or small insects as food items (Tables 1 and 2). There were also exceedances for all use scenarios of naled with an application rate  $\geq 0.1$  lbs ai/A (with 2 applications at a 1 day interval, only, scenario 8 – insect pests) on 100% dietary basis using either the mallard duck endpoints consuming fruits, pods, seeds, or large insects (Table 2). There were LOC exceedances for birds consuming seeds (granivores) for all use scenarios of naled with an application rate  $> 0.25$  lbs ai/A (scenario 7 – insect pests).

However, since the CCR does not use one single food source to meet 100% of its diet, the percent diet comparison was also completed (Tables 3 and 4). When using 1% of the diet, RQs still exceeded the listed species LOC using mallard ducks consuming broadleaf plants for use scenarios of naled with an application rate  $\geq 1.9$  lbs ai/A (scenario 2 – cole crops, tree nuts, citrus) (Table 3). When considering 15% of the diet is plant material (winter) both scenarios 5 and 6 (forest and non food plants) exceed the listed and non-listed species LOC (0.1 and 0.5, respectively) for all three birds modeled consuming short grass, tall grass, and broadleaf plants (Table 4). Mallard ducks also exceed the listed species LOC for fruit, seeds, pods considering 15% of diet as plant material, only (Table 4).

**Table 1. T-REX Screen Comparison of Acute Dose-Based RQs Based on Acute Oral Toxicity Values for Different Species of Birds – the Canada goose, Mallard duck, and Sharp-tailed grouse Consuming Short Grass**

| Scenario<br>(lb ai/A)                                                    | Dose-based RQs<br>(small bird (20 g) consuming short grass) |                                   |                                   |
|--------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|-----------------------------------|
|                                                                          | Acute Dose-<br>Based <sup>1</sup>                           | Acute Dose-<br>Based <sup>2</sup> | Acute Dose-<br>Based <sup>3</sup> |
| 1- Safflower<br>(2.1 lbs ai/a, 1 app.)                                   | 34.85                                                       | 21.18                             | 15.46                             |
| 2- Cole crops, tree nuts, citrus<br>(1.9 lbs ai/A, 1 app.)               | 31.53                                                       | 19.16                             | 13.99                             |
| 3- Alfalfa, row crops, cotton<br>(1.4 lbs ai/A, 1 app.)                  | 23.23                                                       | 14.12                             | 10.31                             |
| 4- Melons, misc food and non-food plants<br>(0.9 lbs ai/A, 1 app.)       | 14.94                                                       | 9.08                              | 6.62                              |
| 5- Forest and Non-food plants<br>(0.9 lbs ai/A, 52 apps., 7-d interval)  | 16.38                                                       | 9.96                              | 7.27                              |
| 6- Forest and Non-food plants<br>(0.9 lbs ai/A, 104 apps., 3-d interval) | 23.10                                                       | 14.04                             | 10.25                             |

| Scenario<br>(lb ai/A)                                                                       | Dose-based RQs<br>(small bird (20 g) consuming short grass) |                                   |                                   |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|-----------------------------------|
|                                                                                             | Acute Dose-<br>Based <sup>1</sup>                           | Acute Dose-<br>Based <sup>2</sup> | Acute Dose-<br>Based <sup>3</sup> |
| 7- Insect pests-animal and human health concerns<br>(0.25 lbs ai/A, 2 apps., 7-d interval)  | 4.52                                                        | 2.74                              | 2.00                              |
| 8- Insect pests-animal and human health concerns<br>(0.1 lbs ai/A, 2 apps., 1 day interval) | 2.83                                                        | 1.72                              | 1.26                              |
| 9- Insect pests-animal and human health concerns<br>(0.1 lbs ai/A, 2 apps., 7 day interval) | 1.81                                                        | 1.10                              | 0.80                              |

<sup>1</sup> Using Canada Goose LD<sub>50</sub> value = 36.9 mg/kg-bw, and 4330g body weight.

<sup>2</sup> Using Mallard Duck LD<sub>50</sub> value = 52.2 mg/kg-bw, and default body weight of 1580g

<sup>3</sup> Using Sharp-tailed Grouse LD<sub>50</sub> value = 64.9 mg/kg-bw, and 827g body weight

**Table 2. T-REX Comparison of Acute Dose-Based RQs Based on Acute Oral Toxicity Values for Different Species of Birds – the Canada goose, Mallard duck, and Sharp-tailed grouse Consuming a Variety of Food Items**

| Scenario<br>(lb ai/A)                                                          | Diet                         | Dose-based RQs<br>(small bird (20 g) consuming variety of food items) |                       |                       |
|--------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------|-----------------------|-----------------------|
|                                                                                |                              | Acute RQ <sup>1</sup>                                                 | Acute RQ <sup>2</sup> | Acute RQ <sup>3</sup> |
| 1- Safflower<br>(2.1 lbs ai/a, 1 app.)                                         | Short Grass                  | 34.85                                                                 | 21.18                 | 15.46                 |
|                                                                                | Tall Grass                   | 15.97                                                                 | 9.71                  | 7.08                  |
|                                                                                | Broadleaf plants/sm Insects  | 19.60                                                                 | 11.91                 | 8.69                  |
|                                                                                | Fruits/pods/seeds/lg insects | 2.18                                                                  | 1.32                  | 0.97                  |
|                                                                                | Seeds (granivore)            | 0.48                                                                  | 0.29                  | 0.21                  |
| 2- Cole crops, tree nuts,<br>citrus<br>(1.9 lbs ai/A, 1 app.)                  | Short Grass                  | 31.53                                                                 | 19.16                 | 13.99                 |
|                                                                                | Tall Grass                   | 14.45                                                                 | 8.78                  | 6.41                  |
|                                                                                | Broadleaf plants/sm Insects  | 17.74                                                                 | 10.78                 | 7.87                  |
|                                                                                | Fruits/pods/seeds/lg insects | 1.97                                                                  | 1.20                  | 0.87                  |
|                                                                                | Seeds (granivore)            | 0.44                                                                  | 0.27                  | 0.19                  |
| 3- Alfalfa, row crops,<br>cotton<br>(1.4 lbs ai/A, 1 app.)                     | Short Grass                  | 23.23                                                                 | 14.12                 | 10.31                 |
|                                                                                | Tall Grass                   | 10.65                                                                 | 6.47                  | 4.72                  |
|                                                                                | Broadleaf plants/sm Insects  | 13.07                                                                 | 7.94                  | 5.80                  |
|                                                                                | Fruits/pods/seeds/lg insects | 1.45                                                                  | 0.88                  | 0.64                  |
|                                                                                | Seeds (granivore)            | 0.32                                                                  | 0.20                  | 0.14                  |
| 4- Melons, misc food and<br>non-food plants<br>(0.9 lbs ai/A, 1 app.)          | Short Grass                  | 14.94                                                                 | 9.08                  | 6.62                  |
|                                                                                | Tall Grass                   | 6.85                                                                  | 4.16                  | 3.04                  |
|                                                                                | Broadleaf plants/sm Insects  | 8.40                                                                  | 5.11                  | 3.73                  |
|                                                                                | Fruits/pods/seeds/lg insects | 0.93                                                                  | 0.57                  | 0.41                  |
|                                                                                | Seeds (granivore)            | 0.21                                                                  | 0.13                  | 0.09                  |
| 5- Forest and Non-food<br>plants<br>(0.9 lbs ai/A, 52 apps., 7-<br>d interval) | Short Grass                  | 16.38                                                                 | 9.96                  | 7.27                  |
|                                                                                | Tall Grass                   | 7.51                                                                  | 4.56                  | 3.33                  |
|                                                                                | Broadleaf plants/sm Insects  | 9.22                                                                  | 5.60                  | 4.09                  |
|                                                                                | Fruits/pods/seeds/lg insects | 1.02                                                                  | 0.62                  | 0.45                  |
|                                                                                | Seeds (granivore)            | 0.23                                                                  | 0.14                  | 0.10                  |
| 6- Forest and Non-food<br>plants<br>(0.9 lbs ai/A, 104 apps.,<br>7-d interval) | Short Grass                  | 23.10                                                                 | 14.04                 | 10.25                 |
|                                                                                | Tall Grass                   | 10.59                                                                 | 6.44                  | 4.70                  |
|                                                                                | Broadleaf plants/sm Insects  | 13.00                                                                 | 7.90                  | 5.76                  |
|                                                                                | Fruits/pods/seeds/lg insects | 1.44                                                                  | 0.88                  | 0.64                  |
|                                                                                | Seeds (granivore)            | 0.32                                                                  | 0.20                  | 0.14                  |
| 7- Insect pests-animal and<br>human health concerns                            | Short Grass                  | 4.52                                                                  | 2.74                  | 2.0                   |
|                                                                                | Tall Grass                   | 2.07                                                                  | 1.26                  | 0.92                  |

| Scenario<br>(lb ai/A)                                                                  | Diet                         | Dose-based RQs<br>(small bird (20 g) consuming variety of food items) |                       |                       |
|----------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------|-----------------------|-----------------------|
|                                                                                        |                              | Acute RQ <sup>1</sup>                                                 | Acute RQ <sup>2</sup> | Acute RQ <sup>3</sup> |
| (0.25 lbs ai/A, 2 apps., 7-d interval)                                                 | Broadleaf plants/sm Insects  | 2.54                                                                  | 1.54                  | 1.13                  |
|                                                                                        | Fruits/pods/seeds/lg insects | 0.28                                                                  | 0.17                  | 0.13                  |
|                                                                                        | Seeds (granivore)            | 0.06                                                                  | 0.04                  | 0.03                  |
| 8- Insect pests-animal and human health concerns (0.1 lbs ai/A, 2 apps., 1-d interval) | Short Grass                  | 2.83                                                                  | 1.72                  | 1.26                  |
|                                                                                        | Tall Grass                   | 1.30                                                                  | 0.79                  | 0.58                  |
|                                                                                        | Broadleaf plants/sm Insects  | 1.59                                                                  | 0.97                  | 0.71                  |
|                                                                                        | Fruits/pods/seeds/lg insects | 0.18                                                                  | 0.11                  | 0.08                  |
|                                                                                        | Seeds (granivore)            | 0.04                                                                  | 0.02                  | 0.02                  |
| 9- Insect pests-animal and human health concerns (0.1 lbs ai/A, 2 apps., 7-d interval) | Short Grass                  | 1.81                                                                  | 1.10                  | 0.80                  |
|                                                                                        | Tall Grass                   | 0.83                                                                  | 0.50                  | 0.37                  |
|                                                                                        | Broadleaf plants/sm Insects  | 1.02                                                                  | 0.62                  | 0.45                  |
|                                                                                        | Fruits/pods/seeds/lg insects | 0.11                                                                  | 0.07                  | 0.05                  |
|                                                                                        | Seeds (granivore)            | 0.03                                                                  | 0.02                  | 0.01                  |

<sup>1</sup> Using Canada Goose LD<sub>50</sub> value = 36.9 mg/kg-bw, and 4330g body weight.

<sup>2</sup> Using Mallard Duck LD<sub>50</sub> value = 52.2 mg/kg-bw, and default body weight of 1580g

<sup>3</sup> Using Sharp-tailed Grouse LD<sub>50</sub> value = 64.9 mg/kg-bw, and 827g body weight

**Table 3. Refinement of T-REX Comparison of Dose-Based RQs Using Acute Oral Toxicity Values for Different Species of Birds – the Canada goose, Mallard duck, and Sharp-tailed grouse Consuming a Variety of Food Items Consistent with the CCR Non-winter Diet**

| Scenario<br>(lb ai/A)                                              | Diet                          | Dose-based RQs<br>(small bird (20 g) consuming variety of food items) |                             |                               |                             |                               |                             |
|--------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|
|                                                                    |                               | Acute RQ <sup>1</sup><br>100%                                         | Acute RQ <sup>1</sup><br>1% | Acute RQ <sup>2</sup><br>100% | Acute RQ <sup>2</sup><br>1% | Acute RQ <sup>3</sup><br>100% | Acute RQ <sup>3</sup><br>1% |
| 1- Safflower<br>(2.1 lbs ai/a, 1 app.)                             | Short Grass                   | 34.85                                                                 | 0.35                        | 21.18                         | 0.212                       | 15.46                         | 0.155                       |
|                                                                    | Tall Grass                    | 15.97                                                                 | 0.16                        | 9.71                          | 0.097                       | 7.08                          | 0.071                       |
|                                                                    | Broadleaf plants/ sm Insects  | 19.60                                                                 | 0.20                        | 11.91                         | 0.12                        | 8.69                          | 0.087                       |
|                                                                    | Fruits/pods/seeds/ lg insects | 2.18                                                                  | 0.02                        | 1.32                          | 0.013                       | 0.97                          | 0.01                        |
|                                                                    | Seeds (granivore)             | 0.48                                                                  | 0.005                       | 0.29                          | 0.003                       | 0.21                          | 0.0021                      |
| 2- Cole crops, tree nuts, citrus<br>(1.9 lbs ai/A, 1 app.)         | Short Grass                   | 31.53                                                                 | 0.31                        | 19.16                         | 0.192                       | 13.99                         | 0.14                        |
|                                                                    | Tall Grass                    | 14.45                                                                 | 0.14                        | 8.78                          | 0.088                       | 6.41                          | 0.0641                      |
|                                                                    | Broadleaf plants/ sm Insects  | 17.74                                                                 | 0.18                        | 10.78                         | 0.108                       | 7.87                          | 0.079                       |
|                                                                    | Fruits/pods/seeds/ lg insects | 1.97                                                                  | 0.02                        | 1.20                          | 0.012                       | 0.87                          | 0.009                       |
|                                                                    | Seeds (granivore)             | 0.44                                                                  | 0.004                       | 0.27                          | 0.003                       | 0.19                          | 0.002                       |
| 3- Alfalfa, row crops, cotton<br>(1.4 lbs ai/A, 1 app.)            | Short Grass                   | 23.23                                                                 | 0.23                        | 14.12                         | 0.141                       | 10.31                         | 0.103                       |
|                                                                    | Tall Grass                    | 10.65                                                                 | 0.11                        | 6.47                          | 0.065                       | 4.72                          | 0.047                       |
|                                                                    | Broadleaf plants/ sm Insects  | 13.07                                                                 | 0.13                        | 7.94                          | 0.08                        | 5.80                          | 0.058                       |
|                                                                    | Fruits/pods/seeds/ lg insects | 1.45                                                                  | 0.01                        | 0.88                          | 0.009                       | 0.64                          | 0.0064                      |
|                                                                    | Seeds (granivore)             | 0.32                                                                  | 0.003                       | 0.20                          | 0.002                       | 0.14                          | 0.0014                      |
| 4- Melons, misc food and non-food plants<br>(0.9 lbs ai/A, 1 app.) | Short Grass                   | 14.94                                                                 | 0.15                        | 9.08                          | 0.091                       | 6.62                          | 0.0662                      |
|                                                                    | Tall Grass                    | 6.85                                                                  | 0.07                        | 4.16                          | 0.042                       | 3.04                          | 0.0304                      |
|                                                                    | Broadleaf plants/ sm Insects  | 8.40                                                                  | 0.08                        | 5.11                          | 0.051                       | 3.73                          | 0.0373                      |
|                                                                    | Fruits/pods/seeds/ lg insects | 0.93                                                                  | 0.009                       | 0.57                          | 0.006                       | 0.41                          | 0.0041                      |
|                                                                    | Seeds (granivore)             | 0.21                                                                  | 0.002                       | 0.13                          | 0.0013                      | 0.09                          | 0.001                       |
| 7- Insect pests-animal and human health concerns                   | Short Grass                   | 4.52                                                                  | 0.04                        | 2.74                          | 0.027                       | 2.0                           | 0.02                        |
|                                                                    | Tall Grass                    | 2.07                                                                  | 0.02                        | 1.26                          | 0.013                       | 0.92                          | 0.0092                      |
|                                                                    | Broadleaf plants/ sm Insects  | 2.54                                                                  | 0.02                        | 1.54                          | 0.015                       | 1.13                          | 0.0113                      |

| Scenario<br>(lb ai/A)                                                                  | Diet                          | Dose-based RQs<br>(small bird (20 g) consuming variety of food items) |                             |                               |                             |                               |                             |
|----------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|
|                                                                                        |                               | Acute RQ <sup>1</sup><br>100%                                         | Acute RQ <sup>1</sup><br>1% | Acute RQ <sup>2</sup><br>100% | Acute RQ <sup>2</sup><br>1% | Acute RQ <sup>3</sup><br>100% | Acute RQ <sup>3</sup><br>1% |
| (0.25 lbs ai/A, 2 apps., 7-d interval)                                                 | Fruits/pods/seeds/ lg insects | <b>0.28</b>                                                           | 0.003                       | <b>0.17</b>                   | 0.002                       | <b>0.13</b>                   | 0.0013                      |
|                                                                                        | Seeds (granivore)             | 0.06                                                                  | 0.0006                      | 0.04                          | 0.0004                      | 0.03                          | 0.0003                      |
| 8- Insect pests-animal and human health concerns (0.1 lbs ai/A, 2 apps., 1-d interval) | Short Grass                   | <b>2.83</b>                                                           | 0.03                        | <b>1.72</b>                   | 0.0172                      | <b>1.26</b>                   | 0.013                       |
|                                                                                        | Tall Grass                    | <b>1.30</b>                                                           | 0.01                        | <b>0.79</b>                   | 0.008                       | <b>0.58</b>                   | 0.006                       |
|                                                                                        | Broadleaf plants/ sm Insects  | <b>1.59</b>                                                           | 0.02                        | <b>0.97</b>                   | 0.01                        | <b>0.71</b>                   | 0.0071                      |
|                                                                                        | Fruits/pods/seeds/ lg insects | <b>0.18</b>                                                           | 0.002                       | <b>0.11</b>                   | 0.0011                      | 0.08                          | 0.0008                      |
|                                                                                        | Seeds (granivore)             | 0.04                                                                  | 0.0004                      | 0.02                          | 0.0002                      | 0.02                          | 0.0002                      |
| 9- Insect pests-animal and human health concerns (0.1 lbs ai/A, 2 apps., 7-d interval) | Short Grass                   | <b>1.81</b>                                                           | 0.02                        | <b>1.10</b>                   | 0.011                       | <b>0.80</b>                   | 0.008                       |
|                                                                                        | Tall Grass                    | <b>0.83</b>                                                           | 0.08                        | <b>0.50</b>                   | 0.005                       | <b>0.37</b>                   | 0.0037                      |
|                                                                                        | Broadleaf plants/ sm Insects  | <b>1.02</b>                                                           | 0.01                        | <b>0.62</b>                   | 0.006                       | <b>0.45</b>                   | 0.0045                      |
|                                                                                        | Fruits/pods/seeds/ lg insects | <b>0.11</b>                                                           | 0.01                        | 0.07                          | 0.0007                      | 0.05                          | 0.0005                      |
|                                                                                        | Seeds (granivore)             | 0.03                                                                  | 0.0003                      | 0.02                          | 0.0002                      | 0.01                          | 0.0001                      |

<sup>1</sup> Using Canada Goose LD<sub>50</sub> value = 36.9 mg/kg-bw, and 4330g body weight.

<sup>2</sup> Using Mallard Duck LD<sub>50</sub> value = 52.2 mg/kg-bw, and default body weight of 1580g

<sup>3</sup> Using Sharp-tailed Grouse LD<sub>50</sub> value = 64.9 mg/kg-bw, and 827g body weight

**Table 4. Refinement of T-REX Comparison of Dose-Based RQs Using Acute Oral Toxicity Values for Different Species of Birds – the Canada goose, Mallard duck, and Sharp-tailed grouse Consuming a Variety of Food Items Consistent with the CCR Annual Diet (15% - winter diet and 1% - diet for the remainder of the year)**

| Scenario<br>(lb ai/A)                                                 | Diet                          | Dose-based RQs (small bird (20 g) consuming variety of food items) |                              |                             |                               |                              |                             |                               |                              |                             |
|-----------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|
|                                                                       |                               | Acute RQ <sup>1</sup><br>100%                                      | Acute RQ <sup>1</sup><br>15% | Acute RQ <sup>1</sup><br>1% | Acute RQ <sup>2</sup><br>100% | Acute RQ <sup>2</sup><br>15% | Acute RQ <sup>2</sup><br>1% | Acute RQ <sup>3</sup><br>100% | Acute RQ <sup>3</sup><br>15% | Acute RQ <sup>3</sup><br>1% |
| 5- Forest and Non-food plants (0.9 lbs ai/A, 52 apps., 7-d interval)  | Short Grass                   | <b>16.38</b>                                                       | <b>2.46</b>                  | <b>0.16</b>                 | <b>9.96</b>                   | <b>1.49</b>                  | 0.0996                      | <b>7.27</b>                   | <b>1.1</b>                   | 0.073                       |
|                                                                       | Tall Grass                    | <b>7.51</b>                                                        | <b>1.13</b>                  | 0.075                       | <b>4.56</b>                   | <b>0.684</b>                 | 0.046                       | <b>3.33</b>                   | <b>0.5</b>                   | 0.033                       |
|                                                                       | Broadleaf plants/ sm Insects  | <b>9.22</b>                                                        | <b>1.38</b>                  | 0.092                       | <b>5.60</b>                   | <b>0.84</b>                  | 0.056                       | <b>4.09</b>                   | <b>0.61</b>                  | 0.041                       |
|                                                                       | Fruits/pods/seeds/ lg insects | <b>1.02</b>                                                        | <b>0.15</b>                  | 0.010                       | <b>0.62</b>                   | 0.093                        | 0.0062                      | <b>0.45</b>                   | 0.068                        | 0.0045                      |
|                                                                       | Seeds (granivore)             | <b>0.23</b>                                                        | 0.03                         | 0.002                       | <b>0.14</b>                   | 0.021                        | 0.0014                      | <b>0.10</b>                   | 0.015                        | 0.001                       |
| 6- Forest and Non-food plants (0.9 lbs ai/A, 104 apps., 7-d interval) | Short Grass                   | <b>23.10</b>                                                       | <b>3.46</b>                  | <b>0.23</b>                 | <b>14.04</b>                  | <b>2.11</b>                  | <b>0.14</b>                 | <b>10.25</b>                  | <b>1.54</b>                  | <b>0.102</b>                |
|                                                                       | Tall Grass                    | <b>10.59</b>                                                       | <b>1.59</b>                  | <b>0.11</b>                 | <b>6.44</b>                   | <b>0.97</b>                  | 0.064                       | <b>4.70</b>                   | <b>0.705</b>                 | 0.047                       |
|                                                                       | Broadleaf plants/ sm Insects  | <b>13.00</b>                                                       | <b>1.95</b>                  | <b>0.13</b>                 | <b>7.90</b>                   | <b>1.18</b>                  | 0.079                       | <b>5.76</b>                   | <b>0.864</b>                 | 0.058                       |
|                                                                       | Fruits/pods/seeds /lg insects | <b>1.44</b>                                                        | <b>0.22</b>                  | 0.014                       | <b>0.88</b>                   | <b>0.132</b>                 | 0.009                       | <b>0.64</b>                   | 0.096                        | 0.0064                      |
|                                                                       | Seeds (granivore)             | <b>0.32</b>                                                        | 0.05                         | 0.003                       | <b>0.20</b>                   | 0.03                         | 0.002                       | <b>0.14</b>                   | 0.021                        | 0.0014                      |

<sup>1</sup> Using Canada Goose LD<sub>50</sub> value = 36.9 mg/kg-bw, and 4330g body weight.

<sup>2</sup> Using Mallard Duck LD<sub>50</sub> value = 52.2 mg/kg-bw, and default body weight of 1580g

<sup>3</sup> Using Sharp-tailed Grouse LD<sub>50</sub> value = 64.9 mg/kg-bw, and 827g body weight