

Deaths uniform distribution between 0.38-0.56

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|----------------------------|--|--|--|--|--|--|--|--|--|
| RANDBETWEEN(3 8,56)÷100 | | | | | | | | | |
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Packs with pups normal centered 0.72 (range 0.55-0.89)

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| (((RANDBETWEEN(1,17)+RANDBETWEEN(1,17))-2)*100)+0.52 | | | | | | | | | |
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Litter size 4.8 (3-6) normal centered on 4.8

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| TRUNC(((RANDBETWEEN(3,6)+RANDBETWEEN(3,6))+2)+0.3) | | | | | | | | | |
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Pup survival to 3-9 months normal, long right tail, mean 0.2 (0.05-0.72)

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| (RANDBETWEEN(0,16)+RANDBETWEEN(0,16)+IF(RAND()<0.75,0,RANDBETWEEN(3,40)))/100 | | | | | | | | | |
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Number of breeding packs 74-167 uniform random

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| RANDBETWEEN(7 4,167) | | | | | | | | | |
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N2021 traditional =695-751 uniform

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| RANDBETWEEN(695,751) | | | | | | | | | |
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N2021new =1195 (957-1573 normal) The 218 killed in Feb 2021 wolf-hunt are deducted in subsequent steps.

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| 1075+(RANDBETWEEN(-496,756)+RANDBETWEEN(-496,756))÷2 | | | | | | | | | |
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Death tolls user defined

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| Any value from 0-600 could be entered here | | | | | | | | | |
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Death tolls mean 300 normal distribution

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| (RANDBETWEEN(0,300)+RANDBETWEEN(0,300)) | | | | | | | | | |
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Results (user defined death toll and paste in N2021)

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| ('N2021 traditional =695-751 uniform':A1+('Number of breeding packs 74-167 uniform random':A1×'Packs with pups normal centered 0.72 (range 0.55-0.89)':A1×'Litter size 4.8 (3-6) normal centered on 4.8':A1×'Pup survival to 3-9 months normal, long right tail, mean 0.2 (0.05-0.72)':A1)×0.5)×(1-'Deaths uniform distribution between 0.38-0.56':A1)–Death tolls user defined::A1 | | | | | | | | | |
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Results (traditional census method)

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| ('N2021 traditional =695-751 uniform':A1+('Number of breeding packs 74-167 uniform random':A1×'Packs with pups normal centered 0.72 (range 0.55-0.89)':A1×'Litter size 4.8 (3-6) normal centered on 4.8':A1×'Pup survival to 3-9 months normal, long right tail, mean 0.2 (0.05-0.72)':A1)×0.5)×(1-'Deaths uniform distribution between 0.38-0.56':A1)–Death tolls user defined::A1 | | | | | | | | | |
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Results (new census method)

('N2021new =1195 (957-1573 normal) The 218 killed in Feb 2021 wolf-hunt are deducted in subsequent steps.'::A1-218+('Number of breeding packs 74-167 uniform random'::A1×'Packs with pups normal centered 0.72 (range 0.55-0.89)'::A1×'Litter size 4.8 (3-6) normal centered on 4.8'::A1×'Pup survival to 3-9 months normal, long right tail, mean 0.2 (0.05-0.72)'::A1)×0.5)×'Deaths uniform distribution between 0.38-0.56'::A1-Death tolls user defined::A1

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Pairs of values N2022 v H user-defined

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|--|---|
| <p> ('N2021 traditional =695-751 uniform':A1+('Number of breeding packs 74-167 uniform random':A1×'Packs with pups normal centered 0.72 (range 0.55-0.89)':A1×'Litter size 4.8 (3-6) normal centered on 4.8':A1×'Pup survival to 3-9 months normal, long right tail, mean 0.2 (0.05-0.72)':A1)×0.5)×(1-'Deaths uniform distribution between 0.38-0.56':A1)–Death tolls user defined::A1 </p> | <p>Any value from 0-600 could be entered here</p> |
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