



**TRAVEL  
OUTFITTERS**

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## Missionary Repellent Calculations

**NOTES:** Bug zones are Mosquitoes, Fleas, Biting Flies, Ticks, Bed Bugs and more... Remember that even high altitude still has bugs even if they don't carry diseases.

**A- In bug zone from equator to 30 degrees will have normally 6 to 9 months of heavier bug season**

### Needs:

- Permethrin Treatment- Yes with International Protection on ALL Clothing
- Deet 30% Lotion- Elders 3 to 4, Sisters 2 (DO NOT use on face) up to 10 hours plus protection
- Deet 98% Spray- Elders 2, Sisters 1 (DO NOT use on face, clothes OR dry skin) up to 10 hours plus protection
- Picaridin 20% Lotion- Elders 3 to 4, Sisters 3 (Great for face) up to 12 hours plus protection
- Picaridin 20% Spray- Elders 2 to 3, Sisters 3 (Great for face, can be used on clothes) up to 12 hours plus protection
- Natural Repellent- Elders 1, Sisters 1 (Use between storms OR when only 3 to 5 hours protection needed)
- Natural Repellent application bottle- Elders 1, Sisters 1
- Natural Bed Bug spray- 1 bottle

**B- In bug zone 30 to 45 degrees will normally have 4 to 6 months of heavier bug season**

### Needs:

- Permethrin Treatment- Yes with International Protection on ALL Clothing
- Deet 30% Lotion- Elders 3 to 4, Sisters 2 (DO NOT use on face)
- Deet 98% Spray- Elders 2, Sisters 1 (DO NOT use on face, clothes OR dry skin)
- Picaridin 20% Lotion- Elders 3 to 4, Sisters 3 (Great for face)
- Picaridin 20% Spray- Elders 2 to 3, Sisters 3 (Great for face, can be used on clothes)
- Natural Repellent- Elders 1, Sisters 1 (Use between storms OR when only 3 to 5 hours protection needed)
- Natural Repellent application bottle- Elders 1, Sisters 1
- Natural Bed Bug spray- 1 bottle

**C- 45 degree to 60 degree will have bug seasons 90 days normally**

### Needs:

- Permethrin Treatment- Yes with International Protection on ALL Clothing for 90 day bug season
- Picaridin 20% Lotion- Elders 3 to 4, Sisters 3 (Great for face)
- Picaridin 20% Spray- Elders 2 to 3, Sisters 3 (Great for face, can be used on clothes)
- Natural Repellent- Elders 1, Sisters 1 (Use between storms OR when only 3 to 5 hours protection needed)
- Natural Repellent application bottle- Elders 1, Sisters 1
- Natural Bed Bug spray- 1 bottle

**Note:** Picaridin is more effective at repelling Biting Flies, Ticks, Gnats, Chiggers and Fleas than DEET. As with DEET, the EPA has concluded that the normal use of picaridin does not present a health concern.

**Studies have shown picaridin to be as effective as DEET in repelling mosquitoes.**

**With this option, Picaridin can replace your DEET numbers and is SAFE for use on your face!**

**Disclaimer:** These calculations can change according to weather patterns, seasonal changes and amount of skin to be protected. The intent of this is to use ONLY as a guide.