

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.

- Indicates the probability of occurrence of threshold temperature is less than indicated probability.

| State And Station Name | Threshold (F) | Spring (Date) | | | Fall (Date) | | | Freeze Free Period (Days) | | | Probability Level (4) |
|--------------------------|----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|----------------------|----------------------|-----------------------|
| | | Probability Level (1) | | | Probability Level (2) | | | Probability Level (3) | | | |
| | | 90 | 50 | 10 | 10 | 50 | 90 | 10 | 50 | 90 | |
| Hawaii | | | | | | | | | | | |
| HALEAKALA R S 338 | 36 32 28 | Feb08 - - | Apr23 - - | Jun19 Apr14 - | Oct12 Dec04 - | Dec27 - - | - - - | >365 >365 >365 | 244 >365 >365 | 128 266 >365 | 4 0 0 |
| HANA AP 355 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| HAWAII VOLCNS NP HQ 54 | 36 32 28 | - - - | - - - | Dec28 - - | Jan24 - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| HILO INTL AP | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| HONOLULU INTL AP 703 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| KAHULUI AP 398 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| KANALOHULUHULU 1075 | 36 32 28 | - - - | Feb09 - - | Apr01 Mar01 - | Dec11 Feb09 - | Feb09 - - | - - - | >365 >365 >365 | >365 >365 >365 | 281 >365 >365 | 1 0 0 |
| KANEOHE MAUKA 781 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| KULANI CAMP 79 | 36 32 28 | - - - | Feb22 - - | Apr04 Feb09 - | Oct25 Dec04 - | Dec26 - - | - - - | >365 >365 >365 | 316 >365 >365 | 218 >365 >365 | 2 0 0 |
| LAHAINA 361 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| LIHUE AP 1020.1 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| MANOA LYON ARBORETUM | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |
| MAUNA LOA SLOPE OBS | 36 32 28 | Jun24 Apr04 Feb11 | Jul17 May21 Mar17 | Aug10 Jul07 Apr20 | Jul21 Sep07 Nov29 | Aug18 Oct28 Jan02 | Sep15 Dec18 Feb06 | 76 248 339 | 30 159 288 | 0 70 243 | 43 15 3 |
| MOLOKAI KAUNAKAKAI AP524 | 36 32 28 | - - - | - - - | - - - | - - - | - - - | - - - | >365 >365 >365 | >365 >365 >365 | >365 >365 >365 | 0 0 0 |

| | | | | | | | | | | | |
|-----------------------|----|---|---|---|---|---|---|------|------|------|---|
| NAALEHU 14 | 36 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 32 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 28 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| OPIHIHALE 2 24.1 | 36 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 32 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 28 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| WAIKIKI 717.2 | 36 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 32 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 28 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| WAIMANALO EXP F 795.1 | 36 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 32 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |
| | 28 | - | - | - | - | - | - | >365 | >365 | >365 | 0 |

Notes:

- (1) Probability of later date in spring (thru Jul 31) than indicated.
- (2) Probability of earlier date in fall (beginning Aug 1) than indicated.
- (3) Probability of longer than indicated freeze free period.
- (4) Probability of Freeze/Frost in the yearly period (percent of days with temperatures at or below the threshold temperature).