**Attachment D: Calculation of Response Rates**

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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Universe** | **Sample** | **proportion of total universe** | **proportion of U.S. universe** | **proportion of ALL acquisitions distributed** | **proportion of all acquisitions distributed in the US** | **Estimated response rate (unweighted)** | **Estimated response rate (demand weighted)** |
| **US commercial NPGS users** | 824 |  | .14 | .18 | 0.15 | 0.22 | 70 |  |
| **US nonprofit NPGS users** | 2,180 |  | 0.36 | 0.47 | 0.50 | 0.73 | 85 |  |
| **US NPGS users who are unaffiliated individuals** | 1,667 |  | 0.28 | 0.35 | 0.03 | 0.05 | 60 |  |
| **Total of US NPGS users** | 4,671 |  | 0.78 | 1.00 | 0.68 | 1.00 | 73 | 80a |
|  |  |  |  |  |  |  |  |  |
| **Total of non-US NPGS users** | 1,338 |  | 0.22 | -- | 0.32 | -- | 70 |  |
|  |  |  |  |  |  |  |  |  |
| **All germplasm requestors from NPGS, ten crops, five year period** | 6,009 |  | 1.00 | -- | 1.00 | -- | 73 | 77b |
| **Electronic/telephone follow-up with U.S. non-respondents** | 1,643 | 100 |  |  |  |  | 97 |  |

a Estimated percentage of demand represented by U.S. respondents is calculated with expected response rates for each U.S. group weighted by the proportion of total U.S. demand they represent.

b Estimated percentage of demand represented by all respondents is calculated with expected response rates for all groups weighted by the proportion of total demand they represent.