**Appendix 1:** The results of topic searches of the Web of Science database with what process each study provides evidence for. Search terms were: “resource tracking” OR “fruit tracking”; “neighborhood effects”; “directed dispersal”; and the combination of those terms. The abstracts of the results were read to determine what was found in each study. Studies that were referenced in the present text that did not appear in the search results were added to the table. Only fruit resource tracking is presented in the table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Resource Tracking**  |  | **Neighborhood Effects** |  | **Dispersal** |
| **Citation** | Increased Abundance  | No Evidence of Tracking |   | Facilitation | Competition | No Evidence |   | Directed Dispersal | Dispersal into Poor Habitats | Dispersal into Specific Habitat |
| Manasse and Howe 1983 |  |  |  |  | X |  |  |  |  |  |
| Saracco et al. 2005 |  |  |  | X | X |  |  |  |  |  |
| Denslow 1987 |  |  |  |  | X |  |  |  |  |  |
| Smith and McWilliams 2014 |  |  |  |  | X |  |  |  |  |  |
| Carlo 2005 |  |  |  | X |  |  |  |  |  |  |
| von Zeipel and Eriksson 2007 |  |  |  | X |  |  |  |  |  |  |
| Carlo et al 2007 |  |  |  | X |  |  |  |  |  |  |
| van Ommeren and Whitham 2002 |  |  |  | X |  |  |  |  |  |  |
| Gleditsch and Carlo 2010 | X |  |  | X |  |  |  |  |  |  |
| Albrecht et al. 2015 |  |  |  | X | X |  |  |  |  |  |
| Carlo and Morales 2008 |  |  |  |  |  |  |  |  |  |  |
| Wenny 2001 |  |  |  |  |  |  |  | X |  |  |
| Loayza et al. 2014 |  |  |  |  |  |  |  | X |  |  |
| Wenny and Levey 1998 |  |  |  |  |  |  |  | X |  |  |
| Green et al 2008 |  |  |  |  |  |  |  | X |  |  |
| Salazar et al 2013 |  |  |  |  |  |  |  | X |  |  |
| Vander Wall 1990 |  |  |  |  |  |  |  | X |  |  |
| Hirsch et al. 2012 |  |  |  |  |  |  |  | X |  |  |
| Razafindratsima and Dunham 2015 |  |  |  |  |  |  | X | X |  |
| Blendinger et al. 2008 |  |  |  |  |  | X |  |  |  |  |
| Blendinger and Villegas 2011 |  |  |  |  |  | X |  |  |  |  |
| Herrera and Jordano 1981 |  |  |  |  | X |  |  |  |  |  |
| Herrera 1984 |  |  |  | X |  |  |  |  |  |  |
| Sargent 1990 |  |  |  | X |  |  |  |  |  |  |
| French et al. 1992 |  |  |  |  |  | X |  |  |  |  |

**Appendix 1 (continued):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Resource Tracking**  |  | **Neighborhood Effects** |  | **Dispersal** |
| **Citation** | Increased Abundance  | No Evidence of Tracking |   | Facilitation | Competition | No Evidence |   | Directed Dispersal | Dispersal into Poor Habitats | Dispersal into Specific Habitat |
| Tewksbury and Nabhan 2001 |  |  |  | X |  |  |  |  |  |  |
| Burns 2002 |  |  |  | X |  |  |  |  |  |  |
| Aukema and Martinez del Rio 2002 |  |  |  |  |  |  |  |  |  |
| Saracco et al. 2004 | X |  |  |  |  |  |  |  |  |  |
| Carlo and Aukema 2005 |  |  |  | X |  |  |  |  |  |  |
| Camargo et al. 2016 |  |  |  |  |  |  |  | X |  |  |
| Guerra and Pizo 2014 |  |  |  |  |  |  |  | X |  |  |
| Adie and Yeaton 2014 |  |  |  |  |  |  |  | X |  |  |
| Montano-Centellas 2013 |  |  |  |  |  |  |  | X |  |  |
| Okubamichael et al. 2011 |  |  |  |  |  |  |  | X |  |  |
| Christianni et al. 2010 |  |  |  |  |  |  |  | X |  |  |
| Garcia et al. 2009 | X |  |  |  |  |  |  | X |  |  |
| Venabel and Brown 1993 |  |  |  |  |  |  |  | X |  |  |
| Spiegel and Nathan 2012 |  |  |  |  |  |  |  |  | X |  |
| Nakashima et al. 2010 |  |  |  |  |  |  |  | X | X |  |
| Morales et al. 2012 |  |  |  | X |  |  |  |  |  |  |
| Prasad and Sukumar 2010 |  |  |  |  | X |  |  |  |  |  |
| Stoll and Newbery 2005 |  |  |  |  |  |  |  |  |  |  |
| Blendinger et al. 2015b | X |  |  |  |  |  |  |  |  |  |
| Naniwadekar et al. 2015 | X |  |  |  |  |  |  |  |  |  |
| Martinez and Garcia 2015 | X |  |  |  |  |  |  |  |  |  |
| Rodriguez-Perez et al. 2014 | X |  |  |  |  |  |  |  |  | X |
| Telleria et al. 2014a | X |  |  |  |  |  |  |  |  | X |
| Maruyama et al 2013 | X |  |  |  |  |  |  |  |  |  |
| Garcia et al. 2013 | X |  |  |  |  |  |  |  |  |  |
| Blendinger et al. 2012 | X |  |  |  |  |  |  |  |  |  |
| de Castro et al. 2012 | X |  |  |  |  |  |  |  |  |  |
| Rodriguez-Cabal and Branch 2011 | X |  |  |  |  |  |  |  |  |  |
| Garcia et al. 2011 | X |  |  |  |  |  |  |  |  |  |

**Appendix 1 (continued):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Resource Tracking**  |  | **Neighborhood Effects** |  | **Dispersal** |
| **Citation** | Increased Abundance  | No Evidence of Tracking |   | Facilitation | Competition | No Evidence |   | Directed Dispersal | Dispersal into Poor Habitats | Dispersal into Specific Habitat |
| Hampe 2008 | X |  |  | X |  |  |  |  |  | X |
| Guitian and Munilla 2008 | X |  |  |  |  |  |  |  |  |  |
| Garcia and Ortiz-Pulido 2004 | X |  |  |  |  |  |  |  |  |  |
| Holbrook et al. 2002 | X |  |  |  |  |  |  |  |  |  |
| Whitney and Smith 1998 | X |  |  |  |  |  |  |  |  |  |
| Telleria et al. 2008 | X |  |  |  |  |  |  |  |  |  |
| Telleria and Perez-Tris 2007 | X |  |  |  |  |  |  |  |  |  |
| Guitan and Bermejo 2006 |  | X |  |  |  |  |  |  |  |  |
| Telleria et al. 2005 | X |  |  |  |  |  |  |  |  |  |
| Githiru et al. 2005 |  | X |  |  |  |  |  |  |  |  |
| Moegenburg and Levey 2003 | X |  |  |  |  |  |  |  |  |  |
| Telleria and Perez-Tris 2003 | X |  |  |  |  |  |  |  |  |  |
| Rey 1995 | X |  |  |  |  |  |  |  |  |  |
| Blendiger et al. 2015a | X |  |  |  |  |  |  |  |  |  |
| Wunderle et al. 2014 | X |  |  |  |  |  |  |  |  |  |
| Telleria et al. 2014b | X |  |  |  |  |  |  |  |  |  |
| Hasui et al. 2012 | X |  |  |  |  |  |  |  |  |  |
| Telleria et al. 2011 | X |  |  |  |  |  |  |  |  |  |
| Vergara et al. 2010 | X |  |  |  |  |  |  |  |  |  |
| Lehouck et al. 2009 |  | X |  |  |  |  |  |  |  |  |
| Pavey and Nano 2009 |  | X |  |  |  |  |  |  |  |  |
| Borghesio and Laiolo 2004 | X |  |  |  |  |  |  |  |  |  |
| Carlo et al. 2013 |  |  |  |  |  |  |  |  |  | X |
| Carlo and Tewksbury 2014 |  |  |  |  |  |  |  | X |  |  |
| Levey 1988 | X |  |  |  |  |  |  |  |  |  |
| Martin and Karr 1986 | X |  |  |  |  |  |  |  |  |  |
| Fleming 1992 | X |   |   |   |   |   |   |   |   |   |
| TOTAL | 35 | 4 |   | 14 | 7 | 3 |   | 18 | 3 | 4 |

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