

| ORNAMENTAL PESTS OF THE WORLD - DATABASE                                                                             |                     |                                    |                          |                                  |                         |                  |
|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------|--------------------------|----------------------------------|-------------------------|------------------|
| PHOTOGRAPH DATABASE - YEAR 2024 - PHOTGRAPHS SUPPLIED BY COLLABORATORS OF THE PROJECT INTERNATIONAL PLANT QUARANTINE |                     |                                    |                          |                                  |                         |                  |
| nº                                                                                                                   | week of publication | agent                              | geographical zone        | host                             | Climate Köppen-Geiger * | author           |
| 90                                                                                                                   | 1                   | <i>Anastrepha sp.</i>              | Ribeirao Vermelho-Brazil | <i>Malus domestica</i>           | Cfb                     | Thiago Sampaio   |
| 91                                                                                                                   | 2                   | <i>Spodoptera frugiperda</i>       | Ribeirao Vermelho-Brazil | not ornamental **                | Cfb                     | Thiago Sampaio   |
| 92                                                                                                                   | 3                   | <i>Phthorimaea operculella</i>     | Foz do Iguacu- Brazil    | insect photographs **            | Cfa                     | Agronomica       |
| 93                                                                                                                   | 4                   | <i>Trogoderma granarium</i>        | Porto Alegre - Brazil    | <i>Prunus dulcis</i>             | Cfa                     | Agronomica       |
| 94                                                                                                                   | 5                   | <i>Frankliniella schultzei</i>     | Porto Alegre - Brazil    | not ornamental **                | Cfa                     | Agronomica       |
| 95                                                                                                                   | 6                   | <i>Helicoverpa armigera</i>        | Ribeirao Vermelho-Brazil | not ornamental **                | Cfb                     | Thiago Sampaio   |
| 96                                                                                                                   | 7                   | <i>Monochamus agroprovincialis</i> | Porto Alegre - Brazil    | not ornamental **                | Cfa                     | Agronomica       |
| 97                                                                                                                   | 8                   | <i>Thrips palmi</i>                | Porto Alegre - Brazil    | insect photographs               | Cfa                     | Agronomica       |
| 98                                                                                                                   | 9                   | <i>Thrips palmi</i>                | Porto Alegre - Brazil    | not ornamental **                | Cfa                     | Agronomica       |
| 99                                                                                                                   | 10                  | <i>Scyphophorus acupunctatus</i>   | Málaga - Spain           | insect photographs               | Csa                     | Miguel Sicilia   |
| 100                                                                                                                  | 11                  | <i>Pieris brassicae</i>            | Málaga - Spain           | insect photographs               | Csa                     | Miguel Sicilia   |
| 101                                                                                                                  | 12                  | <i>Rhynchophorus ferrugineus</i>   | Málaga - Spain           | insect photographs               | Csa                     | Miguel Sicilia   |
| 102                                                                                                                  | 13                  | <i>Icerya seychellarum</i>         | Granada - Spain          | <i>Ficus bengalensis</i>         | Csa                     | Miguel Sicilia   |
| 103                                                                                                                  | 14                  | <i>Icerya puchasi</i>              | Granada - Spain          | <i>Dizygotheca elegantissima</i> | Csa                     | Miguel Sicilia   |
| 104                                                                                                                  | 15                  | <i>Icerya seychellarum</i>         | Granada - Spain          | <i>Eryobotria japonica</i>       | Csa                     | Miguel Sicilia   |
| 105                                                                                                                  | 16                  | <i>Rhizoglyphus robini</i>         | Porto Alegre - Brazil    | insect photographs               | Cfa                     | Agronomica       |
| 106                                                                                                                  | 17                  | <i>Melanaphis sachchari</i>        | Ribeirao Vermelho-Brazil | not ornamental **                | Cfb                     | Thiago Sampaio   |
| 107                                                                                                                  | 18                  | <i>Protopulvinaria pyriformis</i>  | Málaga - Spain           | <i>Persea americana</i>          | Csa                     | Miguel Sicilia   |
| 108                                                                                                                  | 19                  | <i>Icerya puchasi</i>              | Málaga - Spain           | <i>Citrus x limon</i>            | Csa                     | Miguel Sicilia   |
| 109                                                                                                                  | 20                  | <i>Parasaisetia nigra</i>          | Málaga - Spain           | <i>Annona chirimola</i>          | Csa                     | Miguel Sicilia   |
| 110                                                                                                                  | 21                  | <i>Icerya puchasi</i>              | Porto Alegre - Brazil    | <i>Citrus sinensis</i>           | Cfa                     | Agronomica       |
| 111                                                                                                                  | 22                  | <i>Frankliniella occidentalis</i>  | Málaga - Spain           | <i>Mangifera indica</i>          | Csa                     | Miguel Sicilia   |
| 112                                                                                                                  | 23                  | <i>Icerya puchasi</i>              | Porto Alegre - Brazil    | <i>Citrus sinensis</i>           | Cfa                     | Agronomica       |
| 113                                                                                                                  | 24                  | <i>Icerya seychellarum</i>         | Málaga - Spain           | <i>Ceratonia siliqua</i>         | Csa                     | Miguel Sicilia   |
| 114                                                                                                                  | 25                  | <i>Phthorimaea operculella</i>     | Porto Alegre - Brazil    | not ornamental **                | Cfa                     | Agronomica       |
| 115                                                                                                                  | 26                  | <i>Aulascaspis tubercularis</i>    | Granada - Spain          | <i>Mangifera indica</i>          | Csa                     | Miguel Sicilia   |
| 116                                                                                                                  | 27                  | <i>Aulascaspis tubercularis</i>    | Málaga - Spain           | <i>Mangifera indica</i>          | Csa                     | Miguel Sicilia   |
| 117                                                                                                                  | 28                  | <i>Murgantia histrionica</i>       | Celaya - Mexico          | not ornamental **                | Bsh                     | Cinthia Martínez |

|     |    |                                |                 |                           |     |                  |
|-----|----|--------------------------------|-----------------|---------------------------|-----|------------------|
| 118 | 29 | <i>Lipaphis erysimi</i>        | Celaya - Mexico | <i>insect photographs</i> | Bsh | Cinthia Martínez |
| 119 | 30 | <i>Keiferia lycopersicella</i> | Celaya - Mexico | <i>insect photographs</i> | Bsh | Cinthia Martínez |
| 120 | 31 | <i>Copitarsia decolora</i>     | Celaya - Mexico | <i>insect photographs</i> | Bsh | Cinthia Martínez |

\* - Following Köppen-Geiger climate type map of Spain. (Chazarra et al., 2022).

Chazarra Bernabé, A., Lorenzo Mariño, B., Romero Fresneda, R. & J.V. Romero García. 2022.

Evolución de los climas de Köppen en España en el periodo 1951-2020 Nota técnica 37 de AEMET.

Ministerio para la Transición Ecológica y el Reto Demográfico Agencia Estatal de Meteorología Madrid, 2022.

\*\*.-Though the photographs are taken on a not ornamental crop we have included them in the database, as the pest species is also an ornamental pest.