**Table S1 Domesticated Plants Associated with the Arid American Center of Crop Diversity**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Common Names | Probable Domes-tication in Arid America | Probable Domes-tication in Mesoamerica | Registered in pre-Invasion Arid America | Registered in post-Invasion Arid America | Reference |  |
| *Agave americana* | arroqueño, maguey de pulque | X | X | X | X | Colunga-García-Marín et al. 2007& 2017; Gentry 1982 |  |
| *Agave angustifolia* | bacanora, espadín, ixtlero verde, lineño | X | X |  | X | Colunga-García-Marín et al. 2007 Gentry 1982 |  |
| *Agave delameteri* | Tonto Basin agave | X |  |  | X | Hodgson 2012 |  |
| *Agave mapisaga* | pulquero, listocillo, tarimbaro | X | X |  | X | Colunga-García-Marín et al. 2007 & 2017; Gentry 1982 |  |
| *Agave murpheyi* | Hohokam agave | X |  | X | X | Colunga-García-Marín et al. 2007; Hodgson 2012 |  |
| *Agave philippsiana* | Grand Canyon century plant | X |  | X |  | Hodgson 2012 |  |
| *Agale rhodacantha* | mexicano, yocogihua,  ixtlero amarillo | X | X |  | X | Colunga-García-Marín et al. 2007 & 2017; Gentry 1982 |  |
| *Agave salmiana* | maguey de pulque, maguey verde | X | X | X | X | Colunga-García-Marín et al. 2007 & 2017; Gentry 1982 |  |
| *Agave sanpedroensis* | San Pedro agave | X |  | X |  | Hodgson et al. 2018 |  |
| *Agave verdensis* | Sacred Mountain agave | X |  | X |  | Hodgson & Salywon 2013 |  |
| *Agave yavapaiensis* | Page Springs agave | X |  | X |  | Hodgson & Salywon 2013 |  |
| *Agave weberi* | maguey de mezcal | X |  |  | X | Colunga-García-Marín et al. 2007; Gentry 1982 |  |
| *Amaranthus cruentus* | alegría, grain amaranth, huautle | X |  | X | X | Burns et al. 2000 |  |
| *Amaranthus hypochon-driacus* | alegría, grain amaranth, huautle |  | X | X | X | Burns et al. 2000; Ford 1981 |  |
| *Canavalia ensiformis* | jack bean | X |  | X | X | Ford 1981 |  |
| *Capsicum annuum* | chile |  | X |  | X | Burns et al. 2000 |  |
| *Chenopodium berlandieri* | huauzontle |  | X | X | X | Ford 1981 |  |
| *Cucurbita argyrosperma* | calabaza de las aguas, green striped cushaw |  | X | X | X | Burns et al. 2000; Ford 1981 |  |
| *Cucurbita moschata* | segualca |  | X | X | X | Ford 1981 |  |
| *Cucurbita pepo* | calabaza, pumpkin |  | X | X | X | Ford 1981 |  |
| *Distichlis palmeri* | nypa, Palmer’s saltgrass | X |  |  | X | Yensen 2008 |  |
| *Dysphania ambrosioides* | epazote |  | X |  |  | Ford 1981; Burns et al 2000 |  |
| *Gossypium hirsutum* | algodón, cotton |  | X? | X | X | Ford 1981 |  |
| *Helianthus annuus* | girasol, sunflower | ? | ? |  | X | Ford 1981 |  |
| *Hyptis suaveolens* | cham, chía grande, conivari |  | X |  | X | Burns et al. 2000 |  |
| *Hordeum pusillum* | little barley | X? |  | X | ? | Graham et al. 2017; Ford 1981, Louder-back & Pavlik 2018 |  |
| *Jaltomata procumbens* | jaltomato | X | X |  | X | Burns et al. 2000 |  |
| *Lagenaria siceraria* | bottlegourd, bule |  | X | X | X | Ford 1981 |  |
| *Myrtillocactus geometrizans* | garambullo, blue myrtle cactus |  | X |  | X | Hernández- et al. 1991 | |
| *Opuntia durangensis* | xoconostle chivo | X |  |  | X | Griffith 2004 |  |
| *Opuntia leucotricha* | nopal duraznillo | X? | X |  | X | Griffith 2004 |  |
| *Opuntia megacantha* | large-thorned prickly pear, orange fruit prickly pear, nopal blanco, nopal picochulo | X? | X |  | X | Griffith 2004 |  |
| *Opuntia robusta* | tuna tapón, tuna Castillana | X? | X |  | X | Griffith 2004 |  |
| *Opuntia streptacantha* complex (incl. *O. ficus-indica*) | nopal de Castilla, nopal cardón, white-spined prickly pear | X? | X |  | X | Griffith 2004 |  |
| *Panicum sonorum* | sagui, Sonoran panicgrass | X |  | X | X | Burns et al. 2000 |  |
| *Phaseolus acutifolius* | teparí, tepary bean | X | X? | X | X | Ford 1981 |  |
| *Phaseolus coccineus* | ayocote, runner bean |  | X | X | X | Ford 1981 |  |
| *Phaseolus lunatus* | alubia, lima bean, sieva |  | X? | X | X | Ford 1981 |  |
| *Phaseolus vulgaris* | common bean, frijol común |  | X | X | X | Ford 1981 |  |
| *Proboscidea parviflora* | devil’s claw, torito, uña de gato | X |  |  | X | Ford 1981 |  |
| *Physalis philadelphica* | miltomate, tomatillo | X? | X | X | X | Solís-Montero et al. 2021 |  |
| *Salvia hispanica* | chía |  | X |  | X | Cahill & Provance 2002 |  |
| *Salvia tiliifolia* | Raramuri chía | X |  |  | X | Burns et al. 2000 |  |
| *Solanum jamesii* | Four Corners potato | X |  | X | X | Kinder et al. 2017; Louderback and Pavlik 2017 |  |
| *Solanum cf. nigrescens* | chichi-quelite, yerba mora | X? | X |  |  | Burns et al. 2000 |  |
| *Stenocereus griseus* | pitayo |  | X |  | X | Casas et al. 2002 |  |
| *Stenocereus marginatus* | orégano |  | X |  | X | Casas et al. 2002 |  |
| *Stenocereus pruinosus* | cuapatla, pitayo de mayo, xoconostle |  |  |  |  | Casas et al. 2002 |  |
| *Stenocereus stellatus* | jonocostle,  pitaya de agosto |  |  |  |  | Casas et al. 1999; Casas et al. 2002 |  |
| *Zea mays* | maíz |  | X |  | X | Ford 1981 |  |

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