

Released / launched sweetpotato varieties in the Americas (update March 2019)

This is an update appendix 1 in Grüneberg et al (2015) and provides details about released / launched sweetpotato varieties over the past three decades by 17 classification variables, namely 1) country, 2) year of release / launch, 3) variety type, 4) recombination method 5) Selection method 6) storage root flesh color, 7) taste type, 8) adaptation range, 9) CIP-code, 10) maturity time, 11) resistance to SPVD, 12) resistance to weevil, 13) resistance to *Fusarium*, 14) resistance to *Alternaria*, 15) resistance to nematodes, 16) abiotic stress tolerance and 17) comments about special uses, resistances, names or development.

Abbreviations used for classification variables for released / launched varieties:

- 1. Country:** BD, Bangladesh; BF, Burkina Faso; BR, Brazil; BU, Burundi; CN, People's Republic of China; CU, Cuba; GH, Ghana; IN, India; JP, Japan; KE, Kenya; KR, Republic of Korea; MG, Madagascar; MW, Malawi; MZ, Mozambique; NG, Nigeria; PE, Peru; PG, Papua New Guinea; PH, Republic of the Philippines; RSA, Republic of South Africa; RW, Rwanda; TL, East Timor; TW, Taiwan; TZ, Tanzania; UG, Uganda; US-NC, United States of America North Carolina; US-LS, United States of America Louisiana; ZA, Republic of South Africa; ZM, Zambia.
- 2. Year of release / launch:** 1992 to 2019.
- 3. Variety type:** BL, breeding line; FV, farmer variety; MV, modern variety; or if not available "." for missing value.
- 4. Recombination method:** PCB, polycross breeding; CC, controlled cross breeding; CC&HPB, controlled crossing & hybrid population breeding; or if not available "." for missing value.
- 5. Selection method:** TBS, traditional breeding scheme; ABS, accelerated breeding scheme; or if not available "." for missing value.
- 6. Storage root flesh color:** C, cream; DO, deep orange; DPU, deep purple; DY, deep yellow; IO, intermediate orange; LO, light orange; LPU, light purple; O, orange; OY, orange yellow; PO, pale orange; PU, purple; PY, pale yellow; W, white; Y, yellow.
- 7. Taste type:** DS, dry & starchy; HD, high dry matter; HS, high starch; HTS, high total sugars; LD, low dry matter; LTS, low total sugars; MD, medium dry matter; MDS, moderately dry & starchy; MMS, moderately moist & sweet; MSS, medium starch & sweet; MTS, medium total sugar; MST, moist & sweet taste; SD&MS, semi dry & medium sweet; SD&SS, slight dry & semi-sweet; SS, sweet and starchy, ST, starchy taste.
- 8. Adaptation:** CFGS, Coastal-Forest (CF) transition and Guinea Savanna (GS) of West Africa; DST, dry subtropics; HLA, highland adaptation; HRA, high rainfall areas; HST, humid sub-tropical; HTL, hot tropical lowlands; SGS, short grassland savanna; SSZ, Sudano-Sahelian-Zone; STDL, sub-tropical dry land, TDL, temperate dry land; TGS, tall grassland savanna; TRDL&RF, tropical dry land and rice field; MUMZA, mid and upper midland zone adaptation; WA, wide adaptation; WAD, wide adaptation to dry lands.
- 9. CIP-code:** number or if not available "." for missing value.
- 10. Maturity time:** EM, early maturing in months (mths); MM, medium maturing in months (mths); LM, late maturing in months (mths).
- 11. Resistance to SPVD:** MRVD, moderate resistance to SPVD; RVD, resistant to SPVD; SVD, susceptible to SPVD; TVD, tolerant to SPVD; or if not available "." for missing value.
- 12. Resistance to weevil:** MRW, moderate resistance to weevils; RW, resistant to weevils; SW, susceptible to weevils; TW, tolerant to weevils; or if not available "." for missing value.
- 13. Resistance to *Fusarium* wilt (*Fusarium oxysporum*):** SF, susceptible to *Fusarium* wilt; RF, resistant to *Fusarium* wilt; TF, tolerant to *Fusarium* wilt; or if not available "." for missing value.
- 14. Resistance to *Alternaria*:** MRAB, moderately resistant to *Alternaria* blight; RAB, resistant to *Alternaria* blight; SAB, susceptible to *Alternaria* blight; TAB, tolerant to *Alternaria bataticola* stem blight; or if not available "." for missing value.
- 15. Resistance to nematodes:** SN, susceptible to nematodes; RN, resistant to nematodes; or if not available "." for missing value.
- 16. Abiotic stress resistance:** DT, drought tolerant; RD, resistant to drought; TMD, tolerates mild dry spells; TS, tolerant to salinity; or if not available "." for missing value.
- 17. Comments about special uses, names, resistances or parental material:** DC&T, direct consumption & table use; DPU, dual purpose use a food and feed; EBA, excellent to boil as 'ampesi'; EFB, excellent for baby-foods & FDP fortification of dairy products; EFC, excellent for fried chips; EFF, excellent for French fries; EFS, excellent form and size for fresh market; EFU, excellent for Fufu; FGT&MDMF, fairly good taste & moderate dry mouth feel boiled roots; HF, heavy foliage; IT, industrial type; IU, industrial use (starch); LA, low adoption; OP, open pollination; RSSR, resistant to *Streptomyces* soil rot (*Streptomyces ipomoeae*); RFB, moderate resistance to the sweetpotato flea beetle (*Chaetoncnema confinis*); WADLZ, wide adaptation to dry land zones; or if not available "." for missing value.

Table: Name of released / launched sweetpotato varieties in Latin America and the Caribbean (LAC) from 1992 to 2017.

Americas
<p>Brazil: Lapar-69 [BR 1999 MV .. O MST .. MM EFS], Lapar-70 [BR 1999 MV .. W SS .. MM DPU&EFS], Coquinho [BR 2000 MV .. C HS .. MM EFS], Princesa [BR 2000 MV .. C HS .. MM RN . PU&DEFS&HF], Brazlândia Roxa [BR 2000 MV .. C HS .. MM EFS], Brazlândia Rosada [BR 2000 MV .. C DS .. MM EFS], Brazlândia Branca [BR 2000 MV .. C DS .. MM EFS], Beauregard [BR 2010 MV PCB TBS O MS EFS], BRS Rubissol [BR 2011 MV .. C SS .. MM EFS&IU], BRS Cuia [BR 2011 MV .. C ... MM EFS&IU], BRS Amélia [BR 2011 MV .. IO MST .. MM], SCS-367 Favorita [BR 2011 MV .. O EFS], SCS-368 Ituporanga[BR 2011 MV .. C], SCS-369 Águas Negras [BR 2011 MV .. C EFS], CIP-106906.1 [BR . MV .. O MD HTL CIP-106906.1 (P: NN, 194533.13 x NN, 194583.24)].</p> <p>Peru: Costanero [PE 1992 MV PCB TBS LO MS TDL CIP-187016.2 TS.(P: DLP339 x PC_SALT87)], Yarada [PE 1992 MV PCB TBS C MS TDL CIP-187018.1 TS. (P: DLP341 x PC_SALT87)], Nacional [PE 1992 MV PCB TBS W MST&HS TDL CIP-187003.1 TS IU (P: RCBIT-57 x PC_SALT87)], Tacna P[PE 1992 MV PCB TBS C MST TDL CIP-187019.1 TS (P: CRBIN-15 x PC_SALT87)], Caplina [PE 1992 MV PCB TBS C MST&HS TDL CIP-187016.1 TS (P: DLP339 x PC_SALT87)], Atacama [PE 1992 MV PCB TBS C MST TDL CIP-187020.1 TS (P: RCBIN-17 x PC_SALT87)], INIA-100 [PE 2001 MV PCB TBS DO MS TDL CIP-192033.50 SN (P: NCSU 240 x PC92_5NACIONAL)], Milagrosa [PE 2000 FV .. LO HS TDL&WAD DPU], Mejorada [PE 2005 MV PCB TBS LO HS TDL&WAD DPU], Adriano [PE 2010 MV CC ABS W HS TDL CIP-105228.1 IU(P: SR02.039, CIP-102062.2 x TANZANIA, CIP-440166)]; Alexander [PE 2010 MV CC ABS Y HS TDL CIP-105240.1 IU (P: SR02.132, CIP-102022.3 x TANZANIA, CIP-440166)], Arne [PE 2010 MV CC ABS O MST TDL CIP-105086.1 . RSVD (P: SR02.178, CIP-102028.3 x INA-100, CIP-102033.5)], Benjamin [PE 2010 MV CC ABS DO MS TDL CIP-105085.2 . SVD EFS (P: SR02.177, CIP-102025.3 x INIA-100, CIP-102033.5)], Abigail [PE 2015 MV PCB ABS PE DO MDS HTL CIP-194540.5 RN . DPU&EFS(P: SR93.120 x OP)], Isabel [PE 2015 MV PCB ABS DO MDS HTL CIP-189153.18 RN . DPU&EFS(P: YM89.158 x OP)], Sumy [PE 2015 MV CC ABS DO MS HTL CIP-105523.1 DPU&EFS(P: SR02.105 x INA100)],</p> <p>Panama: IDIAP C9017 [PA 2017 MV .. O MD HTL CIP-106090.1 MM(P: Yurimaguas, CIP-490065.25 x NN, CIP-189127.21)], IDIAP C0317 [PA 2017 MV .. O MD HTL CIP-106603.1 (P: Yurimaguas, CIP-490065.25 x NN, 194561.78)]</p> <p>Guatemala: ICTA Dorado [GU 2016 MV .. O MD HTL CIP-440185], ICTA Pacifico [GU 2016 MV .. O MD HTL CIP-440132 (P: L8-21, NN x PC, NN)].</p> <p>Nicaragua: CIP-199026.1 [NI 2017 MV .. O MD HTL CIP-199026.1 (P: SR92.095. 8, NN x PC99_1, NN)].</p> <p>Haiti: CIP-199062.1 [HT 2017 MV .. LO HD WA CIP-199062.1 (P: SPV 78.001. 3, NN x PC99_2, NN)], CIP-106603.1 [HT 2017 MV .. O MD HTL CIP-106603.1 (P: Yurimaguas, CIP-490065.25 x NN, 194561.78)].</p> <p>USA: Beauregard [US-LS 1986 MV PCB TBS O MS TDL&HTL CIP-440132 . SVD . RF . SN . RSSR&OP], Carolina Ruby [US-NC 1992 MV PCB TBS DO LD&MS HST RF . SN . RSSR&RFB&OP], Carolina Rose [UA-NC 1992 MV PCB TBS DO LD&MS HST RF ... OP], Covington [UA-NC 2005 MV PCB TBS DO LD&MS HST RF . RN . RSSR&RFB&OP], Hatteras [UA-NC 2008 MV PCB TBS DO LD&MS HST RF . RN . RSSR&OP], Murasaki-29 [US-LS 2008 MV PCB TBS W HD TDL ... RW RF . RN . RSSR&OP], NCPUR06-020 [US-NC 2012 MV PCB TBS PU DS&HD HST RF . SN . IT], Bonita [US-LS 2011 MV PCB TBS W MD TDL&HTL RF. RN . RSSR].</p>