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[Home](#) > Varieties Released

The University has released the following improved varieties in rice, coconut, vegetables, pepper, nutmeg, cashew, sesame, sugarcane, tuber crops, cowpea, cocoa and other crops.

(List upto 2018)

| SI.No | Name of Variety | Year | Pedigree / Salient Features |
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Rice

| | | | |
|---|---------------|------|--------------------|
| 1 | Ptb 39-Jyothi | 1974 | Ptb-10 x IR-8 (HS) |
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| 2 | Ptb 40-Sabari | 1974 | IR8/2 x Annapoorna (HS) |
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| 3 | Ptb 41-Bharathy | 1974 | Ptb 10 x IR-8 (HS) |
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| 4 | Ptb 42- Suvarnamodan | 1976 | ARC-11775 (S) |
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| 5 | Ptb 43- Swarnaprabha | 1985 | Bhavani x Triveni (HS) |
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| 6 | Ptb 44-Reshmi | 1985 | Oorpandy (Mutation) |
| 7 | Ptb 45-Matta Triveni | 1990 | Reselection from Triveni |

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| 8 | Ptb 46-Jayathi | 1990 | IR 2061 x Triveni (HS) |
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| 9 | Ptb 47-Neeraja | 1990 | IR 20 x IR 5 (HS) |
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| 10 | Ptb 48-Nila | 1992 | (Triveni x Vellathil Kolappala) x Co-25 |
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| 11 | Ptb 49-Kairali | 1993 | IR 36 x Jyothi (HS) |
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| 12 | Ptb 50-Kanchana | 1993 | IR 36 x Pavizham (HS) |
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| 13 | Ptb 51-Aathira | 1993 | BR 51-46-1 x Cul 23332-2 (HS) |
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| 14 | Ptb 52-Aiswarya | 1993 | Jyothi x BR-51-46-1 |
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| 15 | Ptb 53-Mangala Mashuri | 1998 | Reselection from Mashuri |
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| 16 | Ptb 54-Karuna | 1998 | CO.25 X H4 (HS) |
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| 17 | MO 4-Bhadra | 1978 | IR 8 x Ptb 20 (HS) |
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| 18 | MO 5-Asha | 1981 | IR 11 x Kochuvithu (HS) |
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| 19 | MO 6-Pavizham | 1985 | IR 8 x Karivenal (HS |
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| 20 | MO 7-Karthika | 1987 | Triveni x IR 15399 (HS) |
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| 21 | MO 8-Aruna | 1990 | Jaya x Ptb 33 (HS) |
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| 22 | MO 9-Makom | 1990 | ARC 6650 x Jaya (HS) |
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| 23 | MO 10-Remya | 1990 | Jaya x Ptb 33 (HS) |
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| 24 | MO 11-Kanakam | 1990 | IR 1561 x Ptb 33 (HS) |
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| 25 | MO 12-Ranjini | 1996 | MO 5 x Improved Sona (Pedigree selection) |
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| 26 | MO 13-Pavithra | 1998 | Surekha X MO5 (Pedigree selection) |
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| 27 | MO 14-Panchami | 1998 | Pothana X MO5 (Pedigree selection) |
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| 28 | MO 15-Remanika | 1998 | Mutant of Mo1 |
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| 29 | MO 16-Uma | 1998 | MO6 X Pokkali (Pedigree selection) |
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| 30 | MO17-Revathy | 1998 | Cul. 1281 X MO6 (Pedigree selection) |
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| 31 | MO18-Karishma | 1998 | Mo1 X MO6 (Pedigree selection) |
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| 32 | MO19-Krishnanjana | 1998 | MO1 X MO6 (Pedigree selection) |
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| 33 | Kym 1-Lakshmi | 1981 | Kottarakkara 1 x Poduvi (HS) |
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| 34 | Kym 2-Bhagya | 1985 | Tadukkan x Jaya (HS) |
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| 35 | Kym 3-Onam | 1985 | (Kochuvithu x TNI) x Triveni |
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| 36 | Kym 4-Dhanya | 1992 | Jaya x Ptb 4 (HS) |
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| 37 | Kym 5-Sagara | 1993 | Oorumundakan local (MS) |
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| 38 | Vytila 3 | 1987 | Vytila 1 X TN-1(HS) |
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| 39 | Vyttila 4 | 1993 | Chettivirippu x IR 4630-22-2-17(HS) |
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| 40 | Vyttila 5 | 1996 | Mashuri (Mutation) |
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| 41 | ACV-I-Arathy | 1993 | Jaya x Ptb 33 (HS) |
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| 42 | Hraswa | 1993 | IR-8 x T-140 (HS) |
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| 43 | Deepthi(WND-3) | 1998 | Edavaka(PS) |
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| 44 | Makaram(KTR 1) | 1998 | Cheradi local (MS) |
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| 45 | Kumbham | 1998 | Cheradi local (MS) |
| 46 | Ahalya | 1998 | (PtB 10 x TN I) x TN I |
| 47 | Harsha | 2001 | |
| 48 | Manupriya | 2006 | (PK3355-5-1-4) x Bhadra A high yielding, photo insensitive, short duration (100-105 days), non-lodging, red kernelled hybrid derivative suitable for kole lands. |
| 49 | Anashwara | 2006 | Mutant of PTB 20. A photoperiod sensitive semi-tall rice variety suitable for Rabi. |
| 50 | VTL-7 | 2006 | Hybrid between IR8 x Patnai 23. High yielding, non-lodging, semi-tall variety having tolerance to salinity, acidity and flood. Suitable for pokkali area. |
| 51 | Thulam | 2010 | Tolerant to stem borer, leaf roller, lodging and unexpected flooding |
| 52 | Prathyasha(MO21) | 2010 | Moderately tolerant to gall midge, BPH, sheath blight and sheath rot. |
| 53 | VTL- 8 | 2010 | Tolerant to salinity (8 ds/m), acidity and submergence |
| 54 | Vaisakh | 2010 | Tolerant to moisture stress, resistant to blue beetle, moderate resistance to stem borer and whorl maggot |
| 55 | Samyuktha | 2010 | Moderate resistance to stem borer, whorl maggot, blue beetle, BPH and sheath blight. |
| 56 | Ezhome-1 | 2010 | Tolerant to medium salinity and flooding. Resistant to gall midge, leaf folder, case worm and moderately resistant to whirl maggot, sheath blight and bacterial leaf blight |
| 57 | Ezhome-2 | 2010 | No major incidence of pests and diseases under Kaipad system |
| 58 | Ezhome-3 | 2013 | Medium duration variety tolerant to medium salinity; high yielding in both Kaipad and Pokkali soils during Kharif and Rabi seasons, unlike other Kaipad high yielding varieties, which are high yielding only in Kaipad Kharif season. |
| 59 | MO 22 | 2015 | HY dwarf, medium duration paddy ; with medium bold red kernel grains; moderately resistant to sheath blight, sheath rot, BLB and false smut; grain yield 7-7.5 t/ha |
| 60 | Ezhome 4 | 2015 | HY long duration paddy suitable for Kaipad lands; non lodging, white kernels; |
| 61 | Jaiva | 2015 | HY paddy variety suited for organic farming |
| 62 | VTL 9 | 2015 | HY long duration paddy variety ; tolerance up to 12 dsm salinity, compared to existing variety (8 dsm); 10% extra yield over VTL 6 |

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| 63 | Amritha | 2015 | HY long duration salt tolerant paddy variety suited for Oru mundakan tract; 4.88 t grains and 8.8 tonnes straw/ha; red kernel | |
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| 64 | Pournami | 2018 | Semi tall, medium duration (115-120 days) medium bold, red kernelled, medium tillering, partly awned variety, moderately resistant to sheath blight, sheath rot, lakshmi disease, BPH and gall midge. Non-lodging, suitable for Kuttanad region of Kerala. Tolerant to high temperature. |
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| 65 | Manu Ratna | 2018 | Awnless, red kernelled, medium sized grains, non-lodging, short duration (95-99 days), tolerant to stem borer, leaf folder and whorl maggot, suitable for normal wetlands of Kerala and kole areas of Thrissur district |
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| 66 | Lavanya | 2018 | Salt tolerant, medium duration (110-115 days), semi tall, non- lodging, awnless, medium bold and red kernelled grains. Suitable for coastal saline agro ecosystem, Yield 4.2 t/ha |
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| 67 | Jyotsna | 2018 | Semi tall, non-lodging, short duration (100-105 days), red kernelled long grains, moderately resistant to BPH and blast. Suitable for coastal saline agro ecosystem, Yield 6.0 – 6.5 t/ha. |
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| 68 | Supriya | 2018 | Tall, long duration (140 days), non-lodging, highly tillering broad leaved variety with long bold grains and white kernels. Moderately resistant to stem borer, leaf folder, whorl maggot and blast. Suitable for irrigated or rain fed wet lands of Central Zone of Kerala. Yield 6.5-7.0 t/ha |
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| 69 | KAU Akshaya | 2018 | Tall, long duration, late maturing (130 - 140 days), non- lodging broad leaved variety with short bold white kernels. Moderately resistant to stem borer, leaf folder, whorl maggot and blast disease. Tolerant to high temperature and moisture stress. Suitable for irrigated or rain fed wet lands of Central Zone of Kerala. Yield 6.5-7.0 t/ha |
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Coconut

| | | | |
|---|-------------|------|-------------|
| 1 | Lakshaganga | 1989 | LO x GB (H) |
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| 2 | Keraganga | 1989 | WCT x GB (H) |
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| 3 | Anandaganga | 1989 | AO x GB (H) |
|---|-------------|------|-------------|

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| 4 | Kerasree | 1992 | WCT x MYD (H) |
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| 5 | Kerasowbhagya | 1993 | WCT x Strait Settlement Apricot (H) |
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| 6 | Kerasagara | 2006 | Selection from Seychelles (SE Asia). Tall palms, flower in 8 years, light green nuts, mean yield 99nuts/palm/year. |
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| 7 | Keramadhura | 2013 | A superior genotype suitable for dual purpose (tender nut and copra) with more quantity of tender nut water (287 ml) with excellent quality. Number of nuts/plant 119; copra yield (196 g/nut). |
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Vegetables

Bittergourd

| | | | |
|---|-------|------|------------------|
| 1 | Priya | 1976 | Kannur local (S) |
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|---|----------|------|-----------------|
| 2 | Priyanka | 1996 | Local Selection |
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| 3 | Preethi | 1996 | MC 84 selection |
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Snakegourd

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| 1 | Kaumudi | 1996 | Local selection |
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| 2 | Harithasree | 2013 | High yielding variety having green fruits with white stripes for areas where green fruits are preferred |
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Ash Gourd

| | | | |
|---|-----------|------|-------|
| 1 | KAU Local | 2001 | BH 21 |
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| 2 | Indu | 2001 | AG 1 |
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| 3. | Thara | 2015 | HY small fruited (1.22 kg) variety suited for homestead and commercial cultivation; Av yield of 22 t/ ha |
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Ridge Gourd

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| 1 | Haritha | 2001 | Long, Green fruited, HY , |
|---|---------|------|---------------------------|

Pumpkin

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|---|--------|------|-----------|
| 1 | Ambili | 1988 | CM 14 (S) |
|---|--------|------|-----------|

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| 2 | Suvarna(CM 349) | 1998 | CM349 (SPS) |
|---|-----------------|------|-------------|

Bhindi

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|---|-------|------|-----------------------|
| 1 | Kiran | 1990 | Kilichundan local (S) |
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| 2 | Salkeerthi | 1998 | Reselection from NBPGR NO.144 |
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| 3 | Aruna | 1998 | NBPGR No. 1343(SPS) |
|---|-------|------|---------------------|

Amaranthus

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|---|------|------|---------------------|
| 1 | Arun | 1992 | Palapoor local (MS) |
|---|------|------|---------------------|

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| 2 | Renusree | 2006 | Green amaranth evolved through selection. High yielding variety (15.5 t/ha) having green leaves and purple stem with low anti-nutritional factors. |
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| 3 | Krishnasree | 2006 | Red amaranth evolved through selection. High yielding (14.8t/ha) with high nutritive value and low anti-nutritional factors. |
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Winged bean

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| 1 | Revathy | 1996 | SLS-47 (MS) |
|---|---------|------|-------------|

Vegetable Cowpea

| | | | |
|---|-------|------|-------------------|
| 1 | KMV-1 | 1996 | Manjeri Red Plain |
|---|-------|------|-------------------|

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| 2 | Malika | 1992 | Single plant selection from Thiruvananthapuram |
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| 3 | Sharika | 1993 | Valiyavila local (SPS) |
|---|---------|------|------------------------|

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| 4 | Kairali | 2001 | Mosaic resistant , semi spreading selection with pink pods |
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| 5 | Bhagyalakshmi | 2001 | Bush type and early yielding variety |
|---|---------------|------|--------------------------------------|

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| 6 | Lola | 2001 | HY pole type cowpea, pale green long pods |
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| 7 | Vyjayanthi(VS 21-1) | 1998 | HY pole type cowpea, pink long pods - selection from Perumpadavam local (PS) |
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| 8 | Vellayani Jyothika | 2006 | Selection from Sreekaryam local. High yielding(19.33t/ha) with long light green pods. |
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| 9 | Githika | 2015 | A HY, mosaic resistant yard long bean ; Long thick fleshy pods with light green colour, av yield of 27.6 t /ha; pod length 53.4 cm; reddish brown seeds |
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| 10 | Manjari | 2018 | Trailing habit, shade tolerant, ideal for intercropping and tolerant to mosaic. Light green pods (43.2 cm) with red seeds. Days to first harvest 48-50 days. Yield 5.6 t/ha. |
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| 11 | Mithra | 2018 | Trailing growth habit, 90- 130 days duration, attractive long (78.6cm) light green pods and deep brown seeds with white speck at one end. Field tolerance to fusarium wilt and pythium rot. Suitable for riverine alluvium of Central Travancore , Yield 20.7 t/ha. |
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Chilli

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|---|------------|------|------------------------------|
| 1 | Jwalamukhi | 1990 | Vellanochi x Pusa Jwala (HS) |
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|---|------------|------|------------------------------|
| 2 | Jwalasakhi | 1990 | Vellanochi x Pusa Jwala (HS) |
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| 3 | Ujwala | 1996 | CA 219-1-19-6 (SPS) |
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| 4 | Vellayani Athulya | 2006 | Selection from local collection. High yielding (650.33g/plant), early maturing, shade tolerant, green chilli variety with light green, medium pungent fruits having excellent quality. |
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| 5 | Samrudhi | 2010 | Shade tolerant |
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| 6 | Vellayani Thejus | 2013 | High yielding shade tolerant variety suitable for cultivation in homesteads. Has good acceptability as green chilli. Produce attractive dark green fruits having high pungency with high oleoresin and capsaicin content |
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| 7 | Keerthi | 2015 | Mosaic tolerant chilli, with green coloured, semi-wrinkled pendent fruits of 10-12 cm long; |
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Tomato

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|---|--------|------|-----------|
| 1 | Sakthi | 1993 | LE 79 (S) |
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| 2 | Mukthi(LE 79-5) | 1998 | LE 79(CL32D-0--1-19GS)(PS) |
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| 3 | Vellayani Vijai | 2006 | Introduction and selection from CLN1621F (AVRDC,Taiwan). High yielding (1.34kg/plant), compact, early maturing variety having bacterial wilt resistance and high temperature tolerance. |
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| 4 | Akshaya | 2013 | High yield (3.5 kg/plant) with resistance to bacterial wilt, Indeterminate growth habit suitable for rain shelter cultivation |
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| 5 | Manulakshmi | 2013 | Resistant to bacterial wilt, Semi determinate growth habit, High fruit size (50-55g), fruit shape- oval |
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| 6 | Manuprabha | 2015 | Wilt resistant tomato; Fruit colour and shape, Round, Uniform ; Plant height- 69 cm; Days to flowering- 60; Fruits/ plant- 31; Fruit yield- 1.880 kg; Av. Fruit weight 55-60 g |
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Brinjal

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|---|-------|------|-------------|
| 1 | Surya | 1990 | SM6-7 (SPS) |
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| 2 | Swetha | 1996 | SM6-6 (SPS |
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| 3 | Haritha | 1998 | SM-141(SPS) |
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| 4 | Neelima | 1998 | |
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| 5 | Ponny | 2015 | BW resistant , HY (31.6 t/ha); vigorous plants (spreading, 175 cm ht); long duration(18-20 months);non spiny stem and leaves; inwardly curved light green long fruits (24.5 cm; 160 g) |
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Oriental pickling melon

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| 1 | Soubhaghya(CM-8) | 1998 | Valakkavu local(PS) |
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| 2 | Mudicode | 2001 | CS 26 Local collection from Mudicode |
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| 3 | Arunima | 2001 | HY variety , medium size fruits |
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| 4 | KAU Vishal | 2018 | Medium to large cylindrical shaped fruits, crop duration 70-75 days, less susceptible to pests and diseases. Suitable for warm humid tropics of Kerala, Yield 33 t/ha. |
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Okra

| | | | |
|---|---------|------|---|
| 1 | Anjitha | 2006 | Inter specific hybridization followed by mutation breeding and selection. High yielding (14.6t/ha), early maturing, YVM resistant variety. |
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| 2 | Manjima | 2006 | Hybrid(Gowreesapattom local x NBPGR/TCR-874). High yielding(16t/ha), early maturing, YVM resistant variety. |
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Hyacinth bean/Dolichos bean

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| 1 | Hima | 2006 | Selection from local collection. High yielding (13.34kg/plant), hardy, medium maturing, pole type with white flowers, light green broad and straight pods and coffee brown seeds. |
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| 2 | Grace | 2006 | Selection from local collection. High yielding (13.6kg/plant), hardy, early maturing, pole type with purple stem, lilac flowers and slightly curved greenish purple pods and black seeds. |
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Drumstick

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| 1 | Anupama | 2010 | HY annual drumstick variety |
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Cucumber

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| 1 | Harith | 2015 | HY F1 hybrid, suitable for open and rain shelter conditions; light green fruits with 18.67 cm length and 260 g wt; Potential yield of 102.8 t/ ha |
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| 2 | Shubra | 2015 | HY F1 hybrid, suitable for open and rain shelter conditions; greenish white fruits with 14.4 cm length and 275 g wt; Potential yield of 102.3 t/ ha |
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| 3 | KPCH 1 | 2018 | F1 hybrid generated from a cross between parthenocarpic lines, suitable for poly house cultivation, early maturing with long dark green fruits and moderately resistant to downy mildew. Suitable for humid tropics of Kerala, Yield 1.0 t/100 m ² |
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Water melon

| | | | |
|---|---------|------|--|
| 1 | Shonima | 2015 | Red fleshed seedless triploid hybrid, rind colour is darkgreen with light green stripes Av wt is 3.92 kg |
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| 2 | Swarna | 2015 | Bright Yellow fleshed seedless triploid hybrid, rind colour is green with yellow stripes Av wt is 3.18 kg; |
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Jack fruit

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|---|---------|------|--|
| 1 | Sindoor | 2015 | Jack for table purpose, with attractive sunset orange flakes having ; bear fruits twice/ year; medium fruits 11-12 kg, 52 cm long; 25 fruits/ tree / year distinct aroma, taste and sweetness; |
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Cashew

| | | | |
|---|-------------|------|-------------------------------------|
| 1 | Anakkayam-1 | 1987 | Bapatla Collection - Tree 139-1 (S) |
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| 2 | Madakkathara-1 | 1987 | Bapatla Collection - Tree-39-4 (S) |
|---|----------------|------|------------------------------------|

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|---|----------------|------|-------------|
| 3 | Madakkathara-2 | 1990 | NDR-2-1 (S) |
|---|----------------|------|-------------|

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|---|--------|------|--------------------------|
| 4 | Kanaka | 1993 | Anakkayam 1 x H-3-13 (H) |
|---|--------|------|--------------------------|

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|---|-------|------|----------------------|
| 5 | Dhana | 1993 | LGD 1-1 x K 30-1 (H) |
|---|-------|------|----------------------|

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|---|-----------|------|--------------------------|
| 6 | Dharasree | 1996 | Tree No. 30 x BRZ-18 (H) |
|---|-----------|------|--------------------------|

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|---|---------|------|---|
| 7 | Sulabha | 1996 | T 28 of RCRS Kottarakkara (Intr.&Select.) |
|---|---------|------|---|

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|---|---------|------|-------------|
| 8 | Mrudula | 1996 | PTR-1-1 (S) |
|---|---------|------|-------------|

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|---|----------|------|------------------------|
| 9 | Priyanka | 1996 | BLA 139-1 x K 30-1 (H) |
|---|----------|------|------------------------|

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|----|--------|------|----------------------|
| 10 | Anagha | 1998 | Tree 20 X K-30-1(HS) |
|----|--------|------|----------------------|

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|----|---------|------|------------------------------|
| 11 | Amrutha | 1998 | BLA-139-1(F) X K-30-1(M) (H) |
|----|---------|------|------------------------------|

| | | | |
|----|----------|------|---------------------------|
| 12 | Akshayai | 1998 | H-4-7(F) X K-30-1(M) (HS) |
|----|----------|------|---------------------------|

| | | | |
|----|----------|------|--|
| 13 | Poornima | 2006 | BLA 139-1 x K-30-1 A high yielding (14.08kgnuts/tree/year), compact, intensively branching, mid season, cashew hybrid with export grade nuts, high shelling percentage and kernal weight. |
|----|----------|------|--|

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|----|------|------|-------------------------------|
| 14 | Sree | 2010 | Tolerant to tea mosquito bug. |
|----|------|------|-------------------------------|

Pepper

| | | | |
|---|------------|------|---|
| 1 | Panniyur-2 | 1990 | Balancotta (Selection from open pollinated progeny) |
|---|------------|------|---|

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|---|------------|------|--|
| 2 | Panniyur-3 | 1990 | Uthirankotta x Cheriya kaniyakadan (H) |
|---|------------|------|--|

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|---|------------|------|-------------------------|
| 3 | Panniyur-4 | 1990 | Kuthiravaly (Selection) |
|---|------------|------|-------------------------|

| | | | |
|---|------------|------|--|
| 4 | Panniyur-5 | 1996 | Perumkodi (Selection from open pollinated progeny) |
|---|------------|------|--|

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|---|------------|------|--|
| 5 | Panniyur-6 | 2001 | |
|---|------------|------|--|

| | | | |
|---|------------|------|--|
| 6 | Panniyur-7 | 2001 | |
|---|------------|------|--|

| | | | |
|---|------------|------|---|
| 7 | Panniyur-8 | 2013 | Tolerant to Phytophthora foot rot and drought, Suitable for growing in open as well as partial shade, vigorous vine and regular bearer. |
|---|------------|------|---|

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|---|-------|------|--|
| 8 | Vijay | 2013 | Medium long spikes and bold berries, oil, oleoresin, and piperine content more than parents and Panniyur1, field tolerant to Phytophthora foot rot |
|---|-------|------|--|

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|---|------------|------|--|
| 9 | Panniyur 9 | 2018 | Spike length 10.2 cm, 90 berries per spike, 1000 berry weight 150g, piperine 6.11%; volatile oil 5.00 %; oleoresin 12.71%. Suitable for open condition. Tolerant to quick wilt and drought. Fresh 7.2 kg /tree; Dry 2.86 kg/tree |
|---|------------|------|--|

Nutmeg

| | | | |
|---|--------|------|---|
| 1 | Pullan | 2018 | Canopy shape conical, erect growth habit, oval shaped nuts and mace single nut weight - 10.85g; single mace weight -1.36g. Recommended for cultivation throughout the State. Nut yield-22.79 kg/tree. Mace yield 2.86 kg/tree |
|---|--------|------|---|

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|---|-----------|------|---|
| 2 | Kochukudy | 2018 | Canopy shape conical, spreading growth habit, round nuts and mace, single nut weight - 11.6g; single mace weight - 2.49 g. Recommended for cultivation in Thrissur District. Nut yield-20.88 kg/tree. Mace yield 4.48 kg/tree |
|---|-----------|------|---|

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| 3 | Mundathanam | 2018 | Canopy shape pyramidal, erect growth habit, oval fruits, round nuts, dark red mace and dark brown nuts. Single nut weight - 12.6 g, single mace weight - 2.49 g. Recommended for cultivation in Palakkad District. Nut yield 19.7 kg/tree. Mace yield 3.89 kg/tree |
|---|-------------|------|--|

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|---|----------|------|---|
| 4 | Poothara | 2018 | Canopy shape pyramidal, spreading growth habit, round fruits and dark red mace. Single nut weight 10.0 g, single mace weight 2.06 g. Recommended for cultivation in Kottayam District. Nut yield- 22.0 kg/tree. Mace yield 4.53 kg/tree |
|---|----------|------|---|

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|---|-------------|------|--|
| 5 | Punnathanam | 2018 | Broadly pyramidal shaped canopy, erect growth habit, oblong leaves, round fruits, attractive red coloured mace. Single nut weight - 13.85 g, single mace weight - 3.02 g. Recommended for cultivation throughout the state. Nut yield 19.39 kg/tree; Mace yield 4.23 kg/tree |
|---|-------------|------|--|

Ginger

| | | | |
|---|--------|------|---|
| 1 | Athira | 2010 | Tolerant to soft rot and bacterial wilt disease |
|---|--------|------|---|

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|---|----------|------|---|
| 2 | Karthika | 2010 | Tolerant to soft rot and bacterial wilt disease |
|---|----------|------|---|

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|---|---------|------|--|
| 3 | Aswathy | 2013 | High yield, bold rhizomes, high recovery of volatile oil and oleoresin. Recommended for green ginger. suitable for cultivation both as pure and intercrop. Field tolerant to <i>Phyllosticta</i> leaf spot disease |
|---|---------|------|--|

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|---|---------|------|---|
| 4 | Chandra | 2018 | Crude fibre 3.0%, girth of fingers 7.11 cm; drilage 22.26 %; volatile oil 1.6 %; and oleoresin 5.17 %. Good for fresh and dry ginger. Suitable for moist humus rich soils of tropics. Fresh yield 23.51 t/ha; dry yield 5.23 t/ha |
|---|---------|------|---|

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|---|---------|------|---|
| 5 | Chithra | 2018 | Extra bold fingers 8.3cm diameter, low fibre 3.01 %, high driage 23.4%; volatile oil 1.6% and oleoresin 4.71%. Ideal for dry ginger. Suitable for cultivation in moist humus rich soils of tropics. Fresh yield 22.06 t/ha; dry yield 5.16 t/ha |
|---|---------|------|---|

Cardamom

| | | | |
|---|------|------|--------------------|
| 1 | PV-1 | 1987 | Walayar local (CS) |
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| 2 | PV 3 | 2018 | Malabar type with prostrate panicles, ellipsoid capsule; number of capsules- 342/ panicle; dry recovery- 18.5%. Drought tolerant and moderately tolerant to capsule borer. Suitable for partial shade (50-60 %) in tropical evergreen forests of the State. Dry capsule yield 416 kg/ha |
|---|------|------|---|

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|---|------|------|---|
| 3 | PV 5 | 2018 | Vazhukka type with semi erect panicle, ovoid capsule, number of capsules 153/ panicle and dry recovery 18%. Tolerant to thrips. Suitable for cardamom growing tracts of Kerala. Dry capsule yield 594 kg/ha |
|---|------|------|---|

Cinnamon

| | | | |
|---|------------|------|---|
| 1 | Sugandhini | 2001 | Selection from germplasm maintained at AMPRS Odakkali |
|---|------------|------|---|

Turmeric

| | | | |
|---|--------|------|---------------|
| 1 | Kanthi | 1996 | Mydukur (SPS) |
|---|--------|------|---------------|

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|---|-------|------|---------------------|
| 2 | Sobha | 1996 | Methala local (SPS) |
|---|-------|------|---------------------|

Aromatic & Medicinal Plants

| | | | |
|---|-------------------|------|------------------------------------|
| 1 | Lemongrass- OD-19 | 1988 | HY selection with high oil content |
|---|-------------------|------|------------------------------------|

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|---|-----------------|------|---------------|
| 2 | Thippali-Viswam | 1996 | KAU-LPI (SPS) |
|---|-----------------|------|---------------|

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|---|----------------------------------|------|---|
| 3 | Aswani-1 (Asoka -medicinal tree) | 2013 | High bark yield 2.753 kg dry weight /plant) and high tannin content (3.30 %), Moderately resistant to stem borer. |
|---|----------------------------------|------|---|

Chethi-koduveli

| | | | |
|---|----------|------|---|
| 1 | Mridhula | 2006 | Clonal selection. High root yield (2.94t/ha-dry) and low plumbagin content (0.22%). Can be used without curing in the preparation of indigenous medicines. |
|---|----------|------|---|

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|---|------|------|---|
| 2 | Agni | 2006 | Clonal selection. High root yield (2.65t/ha-dry) and high plumbagin content (0.80%)..Suitable for the extraction of plumbagin. |
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|---|--------|------|--|
| 3 | Swathi | 2018 | Plant height 95 cm, root length 61cm, girth 94 cm, 33 roots/ plant. Root yield 18.42 t/ha on fresh weight basis. Moderate plumbagin content of 0.51%. 18.42 t/ha (fresh root weight) |
|---|--------|------|--|

Atalodakam

| | | | |
|---|-----------|------|---|
| 1 | Ajagandhi | 2006 | Clonal selection. Medium tall plants with long and broad leaves and high vasicine content (2.46%). Average whole plant yield (dry)-12.37t/ha. Preferred for leaf crop. |
|---|-----------|------|---|

| | | | |
|---|--------|------|--|
| 2 | Vasika | 2006 | Clonal selection. Medium tall plants with narrow leaves and high proportion of roots & vasicine content (2.55%). Average whole plant yield (dry)-11.25t/ha. Preferred for root crop. |
|---|--------|------|--|

Adapathyan

| | | | |
|---|-------|------|--|
| 1 | Jeeva | 2006 | Clonal selection. Purple cordate plant type with long internodes, high yield of thick, sweet roots (1.50t/ha dry root) with high soluble sugar content (8.33%). |
|---|-------|------|--|

Mushroom

| | | | |
|---|-------------------------------|------|---------------|
| 1 | Oyster mushroom - Ananthan | 1996 | Natural flora |
|---|-------------------------------|------|---------------|

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|---|--------|------|--|
| 2 | Bheema | 2015 | HY pure white milky mushroom; average weight 485 g; ; biological efficiency of 109.71% |
|---|--------|------|--|

Sugarcane

| | | | |
|---|---------|------|---------------------|
| 1 | Madhuri | 1990 | CO 740 X CO 775 (H) |
|---|---------|------|---------------------|

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|---|---------------|------|----------------------|
| 2 | Thirumadhiram | 1992 | CO 740 x CO 6806 (H) |
|---|---------------|------|----------------------|

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|---|-----------|------|----------------------|
| 3 | Madhurima | 1996 | CO 740 x CO 7318 (H) |
|---|-----------|------|----------------------|

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|---|------------|------|--------------------|
| 4 | Madhumathi | 1998 | CO 63 X CO 740(HS) |
|---|------------|------|--------------------|

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|---|-----------|------|--|
| 5 | CoTI 1358 | 2015 | Superior/ at par to National variety Co 86032; tolerant to water logging; Yield 120.17 t / ha |
|---|-----------|------|--|

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|---|-----------|------|---|
| 6 | CoTI 1153 | 2015 | HY variety (118.61 t/ha); with high sugar content (18.29%), suited for Jaggery production; suitable for flood prone situations; |
|---|-----------|------|---|

Garcinea

| | | | |
|---|----------|------|--|
| 1 | Amrutham | 2015 | Compact res , golden yellow coloured global shaped fruits, av yield of 16.38 kg dry ring/ tree/year; mean HCA content 51.58% |
|---|----------|------|--|

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|---|----------|------|--|
| 2 | Haritham | 2015 | A HY Malabar tamarind ; spreading trees; golden yellow oblate fruits; good quality fruit rind; dry rind yield of 9.91 kg/ tree/ year; HCA content 52.99% |
|---|----------|------|--|

| | | | |
|---|--------|------|---|
| 3 | Nithya | 2018 | Acidity 53.67 %; tannin 520 mg/100 g; driage 9.76 %, intensive branching with spreading canopy; 740 fruits/tree/year. Average fruit weight 88.25 g. Suitable for loamy to laterite soil. Dry Rind - 10.11 kg/tree; HCA -16.96 % |
|---|--------|------|---|

Sesame

| | | | |
|---|--------------|------|---|
| 1 | Kayamkulam-1 | 1972 | HY variety suited for Onattukara region |
|---|--------------|------|---|

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|---|------------|------|--------------------|
| 2 | Thilothama | 1987 | PT-58-35 x KI (HS) |
|---|------------|------|--------------------|

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|---|------------|------|------------------|
| 3 | ACV-1-Soma | 1985 | Punjab type (PS) |
|---|------------|------|------------------|

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|---|-------------|------|-----------------------|
| 4 | ACV-2-Surya | 1985 | West Bengal type (PS) |
|---|-------------|------|-----------------------|

| | | | |
|---|--------------|------|-----------------------|
| 5 | ACV-3-Thilak | 1993 | Muthukulam local (PS) |
|---|--------------|------|-----------------------|

| | | | |
|---|------------|------|--------------------|
| 6 | Thilathara | 1998 | CST 785 X B 14(HS) |
|---|------------|------|--------------------|

Cowpea

| | | | |
|---|------------------|------|------------------------|
| 1 | Ptb 1-Kanakamony | 1977 | Kunnamkulam local (PS) |
|---|------------------|------|------------------------|

| | | | |
|---|-------------------|------|---------------------------------|
| 2 | Ptb 2-Krishnamani | 1991 | Kanakamony X Kozhingipayar (HS) |
|---|-------------------|------|---------------------------------|

| | | | |
|---|----------------|------|-----------|
| 3 | KYM-1-Pournami | 1993 | KYM-1 (S) |
|---|----------------|------|-----------|

| | | | |
|---|---------|------|--|
| 4 | Shubhra | 2001 | |
|---|---------|------|--|

| | | | |
|---|-------|------|---|
| 5 | Sreya | 2010 | Purple pods and purple streaks at the base of the petiole. Seeds biscuit coloured, Tolerant to leaf rust, aphids, pod borer and American serpentine leaf miner. |
|---|-------|------|---|

| | | | |
|---|--------|------|--|
| 6 | Hridya | 2010 | Tolerant to leaf rust, aphids, pod borer and American serpentine leaf miner. |
|---|--------|------|--|

Blackgram

| | | | |
|---|--------------|------|------------------------------|
| 1 | KYM-I -Syama | 1993 | Introduction from Tamil Nadu |
|---|--------------|------|------------------------------|

| | | | |
|---|-----------|------|---------------|
| 2 | Sumanjana | 2001 | HY selectiion |
|---|-----------|------|---------------|

Ground nut

| | | | |
|---|-------|------|---|
| 1 | Sneha | 1998 | IES 883 X JL 24 (Combination breeding) |
|---|-------|------|---|

| | | | |
|---|---------|------|---|
| 2 | Snighda | 1998 | Dh(E)32 X JL 24 (Combination breeding) |
|---|---------|------|---|

Banana

| | | | |
|---|-------|------|----------------------------|
| 1 | BRS-1 | 1998 | Agniswar X Pisanglilin (H) |
|---|-------|------|----------------------------|

| | | | |
|---|-------|------|--------------------------|
| 2 | BRS-2 | 1998 | Vannan x Pisanglilin (H) |
|---|-------|------|--------------------------|

Cocoa

| | | | |
|---|--------|------|-----------------------|
| 1 | CCRP-1 | 1998 | Local population(SPS) |
|---|--------|------|-----------------------|

| | | | |
|---|--------|------|-----------------------|
| 2 | CCRP-4 | 1998 | Local population(SPS) |
|---|--------|------|-----------------------|

| | | | |
|---|--------|------|-----------------------------|
| 3 | CCRP-5 | 1998 | Selection from germplasm IV |
|---|--------|------|-----------------------------|

| | | | |
|---|--------|------|-----------------------------|
| 4 | CCRP-6 | 1998 | Selection from germplasm VI |
|---|--------|------|-----------------------------|

| | | | |
|---|--------|------|-----------------------------|
| 5 | CCRP-7 | 1998 | Selection from germplasm VI |
|---|--------|------|-----------------------------|

| | | | |
|---|--------|------|--------------------------------------|
| 6 | CCRP-2 | 2001 | Poly clonal selection for high yield |
|---|--------|------|--------------------------------------|

| | | | |
|---|--------|------|--------------------------------------|
| 7 | CCRP-3 | 2001 | Poly clonal selection for high yield |
|---|--------|------|--------------------------------------|

| | | | |
|---|---------|------|---|
| 8 | CCRP 11 | 2015 | Poly clonal selection for bold bean size and high yield |
|---|---------|------|---|

| | | | |
|---|---------|------|---|
| 9 | CCRP 12 | 2015 | Poly clonal selection for bold bean size and high yield |
|---|---------|------|---|

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|----|---------|------|---|
| 10 | CCRP 13 | 2015 | Poly clonal selection for bold bean size and high yield |
|----|---------|------|---|

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|----|---------|------|---|
| 11 | CCRP 14 | 2015 | Poly clonal selection for bold bean size and high yield |
|----|---------|------|---|

| | | | |
|----|---------|------|---|
| 12 | CCRP 15 | 2015 | Poly clonal selection for bold bean size and high yield |
|----|---------|------|---|

Fodder Crops

Guinea grass

| | | | |
|---|---------|------|--|
| 1 | Haritha | 1990 | |
|---|---------|------|--|

| | | | |
|---|------------|------|------------------|
| 2 | Marathakam | 1993 | FR-600(Mutation) |
|---|------------|------|------------------|

| | | | |
|---|-------------|------|---|
| 3 | Harithasree | 2006 | Selection from JHGG-96-3 High fodder yield (66.1t/ha/year) with better quality. Dark green leaves and high tillering. |
|---|-------------|------|---|

Bajra Napier hybrid

| | | | |
|---|--------|------|--|
| 1 | Suguna | 2006 | Composite 9 x FD 431 High fodder yield (283.7t/ha/year) with better quality. Palegreen leaf sheath with purplish pigmentation |
|---|--------|------|--|

| | | | |
|---|---------|------|--|
| 2 | Supriya | 2006 | TNSC 4 x FD 471 High fodder yield (272.7t/ha/year) coupled with better quality. Pale green leaves with small hairs on both sides. |
|---|---------|------|--|

Fodder cowpea

| | | | |
|---|----------|------|--|
| 1 | Aiswarya | 2013 | High Fodder yield, better quality , Crude protein content 18.5 % |
|---|----------|------|--|

Rice bean (Fodder)

| | | | |
|---|---------|------|--|
| 1 | Surabhi | 2013 | High fodder yield, better quality, Crude protein content 18.9 %, crude fibre 20% |
|---|---------|------|--|

Tuber Crops

Chinese Potato


| | | | |
|---|-------|------|---|
| 1 | Nidhi | 2001 | Clonal selection from NBPGR accession CP 79 |
|---|-------|------|---|

Sweet potato

| | | | |
|--------------------|-----------------|------|--|
| 1 | ACV-1-Kanjangad | 1992 | Kanjanghad local (CS) |
| Cassava | | | |
| 1 | Nidhi | 1996 | Koombuvella (CS) |
| 2 | KMC-1-Kalpaka | 1996 | Ramanthala(CS) |
| 3 | Uthama | 2018 | Kottarakara Local, Erect growth habit, reddish brown stem growing to a height of 2.5 - 3.0 m, cylindrical tubers with light brown skin, white flesh and yield 3.97 kg/plant. Short duration (180 days); HCN 42.42 ppm; Starch 22.52%; fibre 1.05%; good cooking quality, suitable for upper Kuttanad region. Yield 56 t/ha |
| Greater yam | | | |
| 1 | Indu (KM-DA 1) | 1998 | TCR-5(IC-44209) (CS) |
| Coleus | | | |
| 1 | Suphala | 2006 | A tissue culture mutant derived from local cultivar. A high yielding (15.93t/ha) year round cultivable variety with a duration of 120-140days. |
| Orchids | | | |
| 1 | Deep blush | 2006 | Hybrid between D.Nagoya Pink x D.[Candy Stripe x Tomie Drake]. Long arching inflorescence with 9-10 flowers. Flowers are large, magenta coloured, double shaded and striped with full appearance. |
| 2 | Lemon Glow | 2006 | Hybrid between D.Chiangmai Pink x D. [Candy Stripe x Tomie Drake]. Long, arching inflorescence with 10-12 flowers. Flowers are medium large, flat, squarish in appearance, thick, glossy, light pink towards the outer side and greenish white towards the centre. |
| 3 | Master Delight | 2006 | Hybrid between D.Sonia -17 x D.[Candy Stripe x Tomie Drake]. Long, arching inflorescence with 10-12 flowers. Flowers are very thick, glossy and flat with pointed petals and sepals giving a stellar appearance. Flower colour is dark purple with very faint stripes and sepal tips are white. |
| 4 | Pink Cascade | 2006 | Hybrid between D. Nagoya Pink x D. [Candy Stripe x Tomie Drake]. Long, arching inflorescence with 8-10 flowers. Flowers are very thick, glossy, large, light pink with prominent dark pink stripes throughout. |
| 5 | Velvet Soft | 2006 | Hybrid between D. Rungnapa x D. [Candy Stripe x Tomie Drake]. Long, arching inflorescence with 10-12 flowers. Flowers are very thick, glossy, large, deep purplish magenta in colour and striped with white operculum and full appearance. |

H - Hybrid; HS - Hybridisation and selection; SPS - Single plant selection; MS - Mass selection; PS - Pureline selection; CS - Clonal selection

Varieties released during 2019

| Attachment | Size |
|--|--------|
|  Varieties released during 2019 | 1.7 MB |
