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auto-generated-by: OBO-Edit 2.1-beta4
default-namespace: file:C:/Users/BAKARE/Desktop/cassava_trait.obo
namespace-id-rule: * CO_334:\$sequence(7,0,9999999)\$

[Term]

id: CO_334:0000000
name: CGIAR cassava trait ontology
namespace: cassava_trait
def: "It is a controlled vocabulary to describe each trait as a distinguishable, characteristic, quality or phenotypic feature of a developing or mature cassava plant." [CO:mb]
created_by: BAKARE
creation_date: 2010-11-08T02:19:50Z

[Term]

id: CO_334:0000001
name: agronomic trait
namespace: cassava_trait
def: "A characteristic in a cassava plant that will add economic value to agricultural production." [CO:mb]
is_a: CO_334:0000000 ! CGIAR cassava trait ontology
created_by: BAKARE
creation_date: 2010-11-08T02:20:57Z

[Term]

id: CO_334:0000002
name: morphological trait
namespace: cassava_trait
def: "Physical attributes that describe the shape or form of cassava plant." [CO:mb]
is_a: CO_334:0000000 ! CGIAR cassava trait ontology
created_by: BAKARE
creation_date: 2010-11-08T02:21:59Z

[Term]

id: CO_334:0000003
name: physiological trait
namespace: cassava_trait
def: "Characteristics related to the functioning of living cassava." [CO:mb]
is_a: CO_334:0000000 ! CGIAR cassava trait ontology
created_by: BAKARE
creation_date: 2010-11-08T02:22:50Z

[Term]

id: CO_334:0000004
name: quality trait
namespace: cassava_trait

def: "A characteristic or distinguishing feature of cassava related to its utilization after harvest." [CO:mb]
is_a: CO_334:0000000 ! CGIAR cassava trait ontology
created_by: BAKARE
creation_date: 2010-11-08T02:23:55Z

[Term]

id: CO_334:0000005
name: stress trait
namespace: cassava_trait
def: "A characteristic related to plant functioning in the presence of a biotic or abiotic challenge to normal or optimal growing conditions." [CO:mb]
is_a: CO_334:0000000 ! CGIAR cassava trait ontology
created_by: BAKARE
creation_date: 2010-11-08T02:27:11Z

[Term]

id: CO_334:0000006
name: abiotic stress trait
namespace: cassava_trait
def: "Response in terms of resistance or sensitivity to abiotic stress." [CO:mb]
is_a: CO_334:0000005 ! stress trait
created_by: BAKARE
creation_date: 2010-11-08T02:28:05Z

[Term]

id: CO_334:0000007
name: biotic stress trait
namespace: cassava_trait
def: "Response in terms of resistance, susceptibility or tolerance to biotic stress." [CO:mb]
is_a: CO_334:0000005 ! stress trait
created_by: BAKARE
creation_date: 2010-11-08T02:28:59Z

[Term]

id: CO_334:0000008
name: sprouting
namespace: cassava_trait
def: "Proportion of stakes germinated scored one month after planting." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SPROUT" EXACT []
xref: ICASS_TRAITID:10032
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:30:26Z

[Term]

id: CO_334:0000009
name: initial vigor

namespace: cassava_trait
def: "Visual assessment of plant vigor during establishment scored one month after planting." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "VIGOR" EXACT []
xref: ICASS_TRAITID:10021
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:32:17Z

[Term]

id: CO_334:0000010
name: plant stands harvested
namespace: cassava_trait
def: "Number of plant stands at harvest." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "NOHAV" EXACT []
xref: ICASS_TRAITID:10056
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:36:24Z

[Term]

id: CO_334:0000011
name: root number
namespace: cassava_trait
def: "Total number of storage roots harvested per plot." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTNO" EXACT []
xref: ICASS_TRAITID:10057
xref: TO:0000084 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:37:11Z

[Term]

id: CO_334:0000012
name: fresh root weight
namespace: cassava_trait
def: "Total fresh weight of storage roots harvested per plot measured in kg." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTWT" EXACT []
synonym: "total root fresh weight" RELATED []
xref: ICASS_TRAITID:10058
xref: TO:0000578 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:39:18Z

[Term]

id: CO_334:0000013
name: fresh root yield
namespace: cassava_trait

def: "Fresh weight of harvested roots expressed in tons per hectares per plant." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FYLD" EXACT []
xref: ICASS_TRAITID:10059
is_a: CO_334:0000001 ! agronomic trait
relationship: derives_from CO_334:0000012 ! fresh root weight
created_by: BAKARE
creation_date: 2010-11-08T02:40:53Z

[Term]

id: CO_334:0000014
name: dry yield
namespace: cassava_trait
def: "Dry weight of harvested roots derived by multiplying fresh storage root yield by dry matter content expressed in tons per hectares." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "DYLD" EXACT []
xref: ICASS_TRAITID:10060
is_a: CO_334:0000001 ! agronomic trait
relationship: derives_from CO_334:0000013 ! fresh root yield
relationship: derives_from CO_334:0000092 ! dry matter content
created_by: BAKARE
creation_date: 2010-11-08T02:41:35Z

[Term]

id: CO_334:0000015
name: harvest index
namespace: cassava_trait
def: "Ratio of fresh root weight divided by total biomass." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "HI" EXACT []
xref: ICASS_TRAITID:10045
xref: TO:0000128 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
relationship: derives_from CO_334:0000013 ! fresh root yield
relationship: derives_from CO_334:0000017 ! top yield
created_by: BAKARE
creation_date: 2010-11-08T02:42:31Z

[Term]

id: CO_334:0000016
name: fresh shoot weight
namespace: cassava_trait
def: "Total fresh weight of harvested foliage and stems in kilograms per plot." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SHTWT" EXACT []
synonym: "total shoot fresh weight" RELATED []
xref: ICASS_TRAITID:10054
xref: TO:0000571 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:44:05Z

[Term]
id: CO_334:0000017
name: top yield
namespace: cassava_trait
def: "Total fresh weight of harvested foliage and stems expressed in tons per hectare." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "TYLD" EXACT []
xref: ICASS_TRAITID:10055
is_a: CO_334:0000001 ! agronomic trait
relationship: derives_from CO_334:0000016 ! fresh shoot weight
created_by: BAKARE
creation_date: 2010-11-08T02:45:46Z

[Term]
id: CO_334:0000018
name: plant height
namespace: cassava_trait
def: "Vertical height of plants from the ground to top of the canopy measured in cm." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PLTHT" EXACT []
xref: ICASS_TRAITID:10053
xref: TO:0000207 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-11-08T02:48:37Z

[Term]
id: CO_334:0000019
name: storage root size
namespace: cassava_trait
def: "Visual rating of storage root size with 3 = short, 5 = medium, and 7 = long." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTSZ" EXACT []
synonym: "storage root length" RELATED []
xref: ICASS_TRAITID:10086
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:05:07Z

[Term]
id: CO_334:0000020
name: storage root shape
namespace: cassava_trait
def: "Visual rating of storage root shape with 1 = conical, 2 = conical-cylindrical, 3 = cylindrical, and 4 = fusiform." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTSHP" EXACT []
synonym: "storage root form" RELATED []
xref: ICASS_TRAITID:10080
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE

creation_date: 2010-11-08T04:05:49Z

[Term]

id: CO_334:0000021
name: storage root pulp color
namespace: cassava_trait
def: "Visual rating of most frequent pulp color with 1 = white or cream, 2 = yellow, and 3 = pink." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PULPCOL" EXACT []
synonym: "ROOT FLESH COLOUR" RELATED []
xref: ICASS_TRAITID:10091
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:07:20Z

[Term]

id: CO_334:0000022
name: root neck length
namespace: cassava_trait
def: "Visual rating of root neck length with 0 = absent or sessile, 3 = short, 5 = intermediate, and 7 = long." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "NKLGT" EXACT []
xref: ICASS_TRAITID:10085
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:08:18Z

[Term]

id: CO_334:0000023
name: petiole color
namespace: cassava_trait
def: "Visual rating of the petiole color with 3 = light green, 5 = dark green, 7 = green-purple, 8 = red, and 9 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PETCOL" EXACT []
xref: ICASS_TRAITID:10043
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:09:46Z

[Term]

id: CO_334:0000024
name: petiole length
namespace: cassava_trait
def: "Visual rating of petiole length with 0 = petiole absent, 3 = short (5-10cm), 5 = medium (15-20cm), and 7 = long (25-30cm)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PETLGT" EXACT []
xref: ICASS_TRAITID:10042
is_a: CO_334:0000002 ! morphological trait

created_by: BAKARE
creation_date: 2010-11-08T04:10:34Z

[Term]

id: CO_334:0000025
name: young stem pubescence
namespace: cassava_trait
def: "Visual rating of young stem pubescence with 0 = absent or glabrous, 3 = little pubescence, 5 = moderate pubescence, and 7 = high pubescence." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "STMPUB" EXACT []
xref: ICASS_TRAITID:10046
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:12:22Z

[Term]

id: CO_334:0000026
name: apical pubescence
namespace: cassava_trait
def: "Visual rating of young leaf pubescence with 0 = absent or glabrous, 3 = little pubescence, 5 = moderate pubescence, and 7 = high pubescence." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "APUBES" EXACT []
synonym: "young leaf pubescence" RELATED []
xref: ICASS_TRAITID:100037
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-08T04:15:21Z

[Term]

id: CO_334:0000027
name: bacterial disease
namespace: cassava_trait
def: "Traits related to incidence and severity of cassava response to bacterial pathogens." [CO:mb]
is_a: CO_334:0000007 ! biotic stress trait
created_by: BAKARE
creation_date: 2010-11-08T06:42:36Z

[Term]

id: CO_334:0000028
name: viral disease
namespace: cassava_trait
def: "Traits related to incidence and severity of cassava response to viral pathogens." [CO:mb]
is_a: CO_334:0000007 ! biotic stress trait
created_by: BAKARE
creation_date: 2010-11-08T06:43:31Z

[Term]

id: CO_334:0000029

name: fungal disease
namespace: cassava_trait
def: "Traits related to incidence and severity of cassava response to fungal pathogens." [CO:mb]
is_a: CO_334:0000007 ! biotic stress trait
created_by: BAKARE
creation_date: 2010-11-08T06:44:26Z

[Term]

id: CO_334:0000030
name: insect damage
namespace: cassava_trait
def: "Traits related to damage caused by insects." [CO:mb]
is_a: CO_334:0000007 ! biotic stress trait
created_by: BAKARE
creation_date: 2010-11-08T06:45:42Z

[Term]

id: CO_334:0000031
name: cassava bacterial blight severity
namespace: cassava_trait
def: "Visual rating of symptoms in response to the bacterial blight disease caused by *Xanthomonas axonopodis* pv. *Manihotis* symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: water soaked angular leaf sports, blighting, wilting, defoliation, vascular necrosis of the stem.
synonym: "CBBS" EXACT []
xref: ICASS_TRAITID:10114
is_a: CO_334:0000027 ! bacterial disease
created_by: BAKARE
creation_date: 2010-11-08T06:46:27Z

[Term]

id: CO_334:0000032
name: cassava anthracnose disease severity
namespace: cassava_trait
def: "Visual rating of symptoms in response to the anthracnose disease caused by *Colletotrichum gloeosporioides* f. sp. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: Cankers on the stems and bases of leaf petioles.
synonym: "CADS" EXACT []
xref: ICASS_TRAITID:10108
is_a: CO_334:0000029 ! fungal disease
created_by: BAKARE
creation_date: 2010-11-08T06:47:15Z

[Term]

id: CO_334:0000033
name: cassava green mite
namespace: cassava_trait

def: "Visual rating of damage caused by cassava green mite, Mononychellus tanajoa. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: tiny yellow chlorotic spots causing severe defoliation, stunted growth and yield reduction, drop shoot tips.
synonym: "CGM" EXACT []
xref: ICASS_TRAITID:10095
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T06:49:58Z

[Term]

id: CO_334:0000034
name: cassava mealy bug severity
namespace: cassava_trait
def: "Visual rating of damage caused by cassava mealy-bug, Phenacoccus Manihoti. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: reduction in the length of internodes, distorts the stem, dries up the leaves and defoliates the plants.
synonym: "CMBS" EXACT []
xref: ICASS_TRAITID:10097
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T06:50:30Z

[Term]

id: CO_334:0000035
name: cassava mosaic disease severity
namespace: cassava_trait
def: "Visual rating of symptoms caused by cassava mosaic virus, in the family Geminiviridae and genus Begomovirus . Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: leaf discoloration with patches of normal green color mixed with light green, yellow, and white areas.
synonym: "CMDS" EXACT []
xref: ICASS_TRAITID:10121
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE
creation_date: 2010-11-08T06:52:21Z

[Term]

id: CO_334:0000036
name: cassava brown streak disease leaf severity
namespace: cassava_trait
def: "Visual rating of leaf symptoms caused by cassava brown streak virus, in the family Potyviridae and genus Ipomovirus. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb]

comment: Symptoms: patches of yellow areas mixed with normal green color on the leaves, Distorts the shape of storage roots, cracks and discoloration in the storage roots.
synonym: "CBSDLs" EXACT []
xref: ICASS_TRAITID:10126
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE
creation_date: 2010-11-08T07:09:10Z

[Term]

id: CO_334:0000037
name: cassava bacterial blight incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing symptoms of cassava bacterial blight." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "CBBI" EXACT []
xref: ICASS_TRAITID:10111
is_a: CO_334:0000027 ! bacterial disease
created_by: BAKARE
creation_date: 2010-11-08T08:03:05Z

[Term]

id: CO_334:0000038
name: cassava anthracnose disease incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing symptoms of cassava anthracnose disease." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "CADI" EXACT []
xref: ICASS_TRAITID:10105
is_a: CO_334:0000029 ! fungal disease
created_by: BAKARE
creation_date: 2010-11-08T08:03:42Z

[Term]

id: CO_334:0000039
name: cassava mosaic disease incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing symptoms of cassava mosaic disease." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "CMDI" EXACT []
xref: ICASS_TRAITID:10117
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE
creation_date: 2010-11-08T09:25:03Z

[Term]

id: CO_334:0000040
name: cassava brown streak disease leaf incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing leaf symptoms of cassava brown streak disease." [CO:mb]
synonym: "CBSDLI" EXACT []

xref: ICASS_TRAITID:10125
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE
creation_date: 2010-11-08T09:28:14Z

[Term]

id: CO_334:0000041
name: cassava mealy bug incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing symptoms of cassava mealy-bug damage." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "CMBI" EXACT []
xref: ICASS_TRAITID:10096
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T09:29:58Z

[Term]

id: CO_334:0000042
name: spiraling whitefly severity
namespace: cassava_trait
def: "Visual rating of damage caused by spiraling white fly, Aleurodicus dispersus. Symptoms rated from 1 = (clean, no damage) to 5 = (extremely severe, severely damaged)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: growth of black mold on the plant, blackened leaves dry up and drop.
synonym: "SWFS" EXACT []
xref: ICASS_TRAITID:10101
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T09:33:43Z

[Term]

id: CO_334:0000043
name: spiraling whitefly incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing evidence of colonization by spiraling whitefly." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SWFI" EXACT []
xref: ICASS_TRAITID:10100
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T09:35:21Z

[Term]

id: CO_334:0000044
name: red spider mite severity
namespace: cassava_trait
def: "Visual rating of damage caused by red spider mite, Oligonychus gossypii and Tetranychus spp. Symptoms rated from 1 = (clean, no

infection) to 5 = (extremely severe, severely damaged)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Symptoms: yellowish pinpricks along the main vein of mature leaves, attached leaves turn reddish, brown or rusty in color.
synonym: "RSMS" EXACT []
xref: ICASS_TRAITID:10099
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T10:34:51Z

[Term]

id: CO_334:0000045
name: red spider mite incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing evidence of colonization by red spider mite." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RSMI" EXACT []
xref: ICASS_TRAITID:10098
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-11-08T10:35:22Z

[Term]

id: CO_334:0000046
name: petiole insertion angle
namespace: cassava_trait
def: "Visual rating of orientation or angle between the branch and petiole with 0 = no petiole, 3 = 15-30 degrees, 5 = 45-70 degrees, and 7 = 75-90 degrees." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PETANG" EXACT []
xref: ICASS_TRAITID:10041
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-10T07:22:09Z

[Term]

id: CO_334:0000047
name: abscisic acid content
namespace: cassava_trait
def: "Abscisic acid content of leaf sample." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "ABSCON" EXACT []
xref: ICASS_TRAITID:10131
is_a: CO_334:0000003 ! physiological trait
created_by: BAKARE
creation_date: 2010-11-12T01:35:13Z

[Term]

id: CO_334:0000048
name: leaf retention
namespace: cassava_trait

def: "Visual rating of leaf longevity using a scale of 1 =(very poor retention) to 5 = (outstanding leaf retention)." [CO:mb, ISBN:978-131-347-1 "Fukuda et al 2010"]
comment: Improved leaf retention has been suggested as a possible means to increase cassava productivity under stressed conditions. Cassava cultivars with high leaf retention have been found to produce more total fresh biomass and higher root dry matter than cultivars without the trait.
synonym: "leaf longevity" RELATED []
synonym: "LFRET" EXACT []
synonym: "stay green" RELATED []
xref: ICASS_TRAITID:10063
is_a: CO_334:0000003 ! physiological trait
created_by: BAKARE
creation_date: 2010-11-12T02:47:21Z

[Term]

id: CO_334:0000049
name: leaf life
namespace: cassava_trait
def: "Measures leaf life span estimated as days." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LFLIFE" EXACT []
xref: ICASS_TRAITID:10132
is_a: CO_334:0000003 ! physiological trait
created_by: BAKARE
creation_date: 2010-11-12T02:56:39Z

[Term]

id: CO_334:0000050
name: storage root peduncle
namespace: cassava_trait
def: "Visual rating of root peduncle length using a scale of 0 = sessile, 3 = pedunculate, and 5 = mixed." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTPED" EXACT []
xref: ICASS_TRAITID:10079
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T10:32:26Z

[Term]

id: CO_334:0000051
name: storage root constriction
namespace: cassava_trait
def: "Visual scoring of mature root constrictions recorded as 0= absent and 1=present." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
comment: Another trait could be added in the future with the categories given in Fuduka (2010).
synonym: "RTCONS" EXACT []
xref: ICASS_TRAITID:10081
is_a: CO_334:0000002 ! morphological trait

created_by: BAKARE
creation_date: 2010-11-21T10:40:09Z

[Term]

id: CO_334:0000052
name: root position
namespace: cassava_trait
def: "Visual rating root position in the soil with 1 = tending toward vertical, 2 = tending toward horizontal, and 3 = irregular." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTPOST" EXACT []
xref: ICASS_TRAITID:10082
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T10:47:58Z

[Term]

id: CO_334:0000053
name: root surface color
namespace: cassava_trait
def: "Visual rating of storage root surface color with 1 = white or cream, 2 = light brown, and 3 = dark brown." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTSCOL" EXACT []
xref: ICASS_TRAITID:10083
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T10:55:06Z

[Term]

id: CO_334:0000054
name: root surface texture
namespace: cassava_trait
def: "Visual rating of storage root texture with 3 = smooth, 5 = intermediate, and 7 = rough." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTSTEX" EXACT []
xref: ICASS_TRAITID:10084
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:06:19Z

[Term]

id: CO_334:0000055
name: storage root diameter
namespace: cassava_trait
def: "Visual rating of storage root diameter with 3 = short, 5 = medium and 7 = long." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTDIAM" EXACT []
xref: ICASS_TRAITID:10087
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE

creation_date: 2010-11-21T11:13:40Z

[Term]

id: CO_334:0000056
name: caruncle color
namespace: cassava_trait
def: "Visual scoring of caruncle color with 1 = white or cream, 2 = pink or red, and 3 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "CARCOL" EXACT []
xref: ICASS_TRAITID:10078
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:32:56Z

[Term]

id: CO_334:0000057
name: stigma color
namespace: cassava_trait
def: "Visual scoring of stigma color with 1 = white, 2 = orange, 3 = green, 4 = red, and 5 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SIGCOL" EXACT []
xref: ICASS_TRAITID:10068
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:37:46Z

[Term]

id: CO_334:0000058
name: ovary color
namespace: cassava_trait
def: "Visual scoring of ovary color with 1 = white, 2 = orange, 3 = green, 4 = red, and 5 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "OVRYCOL" EXACT []
xref: ICASS_TRAITID:10069
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:41:31Z

[Term]

id: CO_334:0000059
name: disc color
namespace: cassava_trait
def: "Visual scoring of floral disc color with 1 = white, 2 = orange, 3 = green, 4 = red, and 5 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "DISCOL" EXACT []
xref: ICASS_TRAITID:10067
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE

creation_date: 2010-11-21T11:44:36Z

[Term]

id: CO_334:0000060
name: sepal color
namespace: cassava_trait
def: "Visual scoring of sepal color with 1 = white, 2 = orange, 3 = green, 4 = red, and 5 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SEPCOL" EXACT []
xref: ICASS_TRAITID:10068
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:49:59Z

[Term]

id: CO_334:0000061
name: anther color
namespace: cassava_trait
def: "Visual scoring of anther color with 1 = cream, 2 = yellow, and 3 = other." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "ANTCOL" EXACT []
xref: ICASS_TRAITID:10070
xref: TO:0000187 "Plant trait ontology"
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-21T11:55:33Z

[Term]

id: CO_334:0000062
name: stem color
namespace: cassava_trait
def: "Visual scoring of stem color with 1 = silver green, 2 = light brown or orange, 3 = dark brown, and 4 = dark green." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "STMCOL" EXACT []
xref: ICASS_TRAITID:10047
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-22T12:02:26Z

[Term]

id: CO_334:0000063
name: seed color
namespace: cassava_trait
def: "Visual scoring of seed color with 1 = brown, 2 = grey, 3 = mottled, 4 = black, and 5 = dark brown." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "SDCOL" EXACT []
xref: ICASS_TRAITID:10077
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE

creation_date: 2010-11-22T12:15:56Z

[Term]

id: CO_334:0000064
name: storage root periderm color
namespace: cassava_trait
def: "Color of outer surface of storage root periderm (outer skin color)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "OUTCOL" EXACT []
synonym: "OUTER ROOT SKIN COLOUR" RELATED []
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-11-22T12:19:54Z

[Term]

id: CO_334:0000065
name: ascorbic acid
namespace: cassava_trait
def: "Antioxidant and water soluble vitamin of cassava storage root." [CO:mb]
synonym: "Vitamin C" RELATED []
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:41:10Z

[Term]

id: CO_334:0000066
name: ash content
namespace: cassava_trait
def: "Residue left behind after all organic matter has been burnt off, a measure of total mineral salts in a food." [CO:mb]
synonym: "ASH" EXACT []
xref: ICASS_TRAITID:10151
xref: TO:0000607 "Plant trait ontology"
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:41:39Z

[Term]

id: CO_334:0000067
name: fibre content
namespace: cassava_trait
def: "Part of tuber root that cannot be digested by humans." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2000"]
synonym: "FIBRE" EXACT []
xref: ICASS_TRAITID:10144
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:45:39Z

[Term]

id: CO_334:0000068

name: iron content
namespace: cassava_trait
def: "Total iron content in cassava storage roots." [CO:mb]
synonym: "FE" EXACT []
xref: ICASS_TRAITID:10141
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:45:55Z

[Term]

id: CO_334:0000069
name: moisture content
namespace: cassava_trait
def: "Percentage of water contained in cassava storage root." [CO:mb]
synonym: "MC" EXACT []
xref: ICASS_TRAITID:10153
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:46:20Z

[Term]

id: CO_334:0000070
name: protein content
namespace: cassava_trait
def: "Percentage of protein content in cassava storage root." [CO:mb]
synonym: "PROTEIN" EXACT []
xref: ICASS_TRAITID:10143
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:47:00Z

[Term]

id: CO_334:0000071
name: starch content
namespace: cassava_trait
def: "Percentage of complex carbohydrate found in cassava storage root." [CO:mb]
synonym: "STARCH" EXACT []
xref: ICASS_TRAITID:10135
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:47:39Z

[Term]

id: CO_334:0000072
name: sugar content
namespace: cassava_trait
def: "Sugar content in cassava storage root." [CO:mb]
synonym: "SUGAR" EXACT []
xref: ICASS_TRAITID:10152
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE

creation_date: 2010-11-30T09:48:03Z

[Term]

id: CO_334:0000073
name: total carotenoid content
namespace: cassava_trait
def: "Total extracted carotenoids in cassava storage root as estimated by spectrophotometer and expressed in ug per gram fresh weight."
[CO:mb]
synonym: "TC" EXACT []
xref: ICASS_TRAITID:10139
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-11-30T09:48:35Z

[Term]

id: CO_334:0000074
name: poundability
namespace: cassava_trait
def: "Mealiness of boiled cassava storage root rating as 0 = Non poundable, 1 = slightly poundable, 2 = poundable, 3 = very poundable."
[CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PD" EXACT []
xref: ICASS_TRAITID:10136
is_a: CO_334:0000004 ! quality trait
created_by: mbakare
creation_date: 2010-11-30T10:15:30Z

[Term]

id: CO_334:0000075
name: amylose content
namespace: cassava_trait
def: "Amylose content of cassava roots." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2000"]
is_a: CO_334:0000004 ! quality trait
created_by: mbakare
creation_date: 2010-11-30T10:29:08Z

[Term]

id: CO_334:0000076
name: hydrogen cyanide potential enzymatic method
namespace: cassava_trait
def: "Cyanogenic potential is an indicator of the potential production of hydrogen cyanide in cassava storage roots with less than 5mg/100g fresh weight of root = low, 5-10mg/100g fresh weight of root = medium, and 10mg/100g fresh weight of root = high." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2000"]
synonym: "HCN_ENZ" EXACT []
xref: ICASS_TRAITID:10133
is_a: CO_334:0000004 ! quality trait
created_by: mbakare
creation_date: 2010-11-30T12:06:57Z

[Term]
id: CO_334:0000077
name: post-harvest physiological deterioration
namespace: cassava_trait
def: "Post-harvest physiological deterioration is characterized by internal root discoloration or vascular streaking that renders cassava roots unfit for human or animal consumption." [CO:mb, ISBN:978-131-347-1 "Fukuda et al 2010"]
is_a: CO_334:0000004 ! quality trait
created_by: mbakare
creation_date: 2010-11-30T03:01:00Z

[Term]
id: CO_334:0000078
name: zinc content
namespace: cassava_trait
def: "Total zinc content in cassava storage root." [CO:mb]
synonym: "ZN" EXACT []
xref: ICASS_TRAITID:10142
is_a: CO_334:0000004 ! quality trait
created_by: mbakare
creation_date: 2010-11-30T03:56:58Z

[Term]
id: CO_334:0000079
name: branching level
namespace: cassava_trait
def: "Count of the actual number of levels of branching at harvest." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "BRNLEV" EXACT []
xref: ICASS_TRAITID:10050
is_a: CO_334:0000002 ! morphological trait
created_by: mbakare
creation_date: 2010-11-30T05:10:22Z

[Term]
id: CO_334:0000080
name: branching angle
namespace: cassava_trait
def: "Visual rating of a measured angle between vertical plane and first primary branching with 0 = non branching, 3 = 15-30 degrees, 5 = 45-60 degrees, and 7 = 75-90 degrees." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "BRANG" EXACT []
xref: ICASS_TRAITID:10051
is_a: CO_334:0000002 ! morphological trait
created_by: mbakare
creation_date: 2010-11-30T05:17:05Z

[Term]
id: CO_334:0000081

name: leaf vein color
namespace: cassava_trait
def: "Visual scoring of leaf vein color with 3 = light green, 5 = dark green, 7 = green-purple, and 9 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LFVNCOL" EXACT []
xref: ICASS_TRAITID:10036
is_a: CO_334:0000002 ! morphological trait
created_by: mbakare
creation_date: 2010-11-30T05:54:40Z

[Term]

id: CO_334:0000082
name: leaf lobe number
namespace: cassava_trait
def: "Most common number of leaf lobes assessed on five leaves from the middle of the plant at six months after planting." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LFLBNO" EXACT []
xref: ICASS_TRAITID:10039
is_a: CO_334:0000002 ! morphological trait
created_by: mbakare
creation_date: 2010-11-30T05:55:35Z

[Term]

id: CO_334:0000083
name: leaf lobe position
namespace: cassava_trait
def: "Visual rating of the position leaf lobes are held with 1 = erect, 2 = horizontal, 3 = deflexed, and 4 = retorse." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LFLBPOS" EXACT []
xref: ICASS_TRAITID:10040
is_a: CO_334:0000002 ! morphological trait
created_by: mbakare
creation_date: 2010-11-30T05:55:53Z

[Term]

id: CO_334:0000084
name: rotted storage root
namespace: cassava_trait
def: "Number of rotted storage roots per plot at the time of harvest." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "RTROT" EXACT []
xref: ICASS_TRAITID:10092
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-01T09:17:28Z

[Term]

id: CO_334:0000085
name: taste of boiled root

namespace: cassava_trait
def: "Taste of boiled root rating as 1 = bland, 2 = sweet, and 3 = bitter." [CO:mb]
synonym: "TASTE" EXACT []
xref: ICASS_TRAITID:10138
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-01T09:24:04Z

[Term]

id: CO_334:0000086
name: apical branching
namespace: cassava_trait
def: "Number of weeks from planting to first apical branching associated with the formation of inflorescence." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "APBRN" EXACT []
xref: ICASS_TRAITID:10049
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-01T10:49:45Z

[Term]

id: CO_334:0000087
name: Bemesia tabaci adult
namespace: cassava_trait
def: "Number of Bemesia tabaci adult white flies on the top five leaves." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-12-01T04:00:39Z

[Term]

id: CO_334:0000088
name: Bemesia tabaci nymphs
namespace: cassava_trait
def: "Number of Bemesia tabaci nymphs white flies on the 14th leaf." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
is_a: CO_334:0000030 ! insect damage
created_by: BAKARE
creation_date: 2010-12-01T04:01:46Z

[Term]

id: CO_334:0000089
name: cassava brown streak disease root incidence
namespace: cassava_trait
def: "Proportion of plants within a plot showing root symptoms of cassava brown streak disease." [CO:mb]
synonym: "CBSDRI" EXACT []
xref: ICASS_TRAITID:10127
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE

creation_date: 2010-12-01T04:15:53Z

[Term]

id: CO_334:0000090
name: cassava brown streak disease root severity
namespace: cassava_trait
def: "Visual rating of root symptoms caused by cassava brown streak virus, in the family Potyviridae and genus Ipomovirus. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb]
synonym: "CBSDRS" EXACT []
xref: ICASS_TRAITID:10128
is_a: CO_334:0000028 ! viral disease
created_by: BAKARE
creation_date: 2010-12-01T04:17:12Z

[Term]

id: CO_334:0000091
name: hydrogen cyanide potential picrate method
namespace: cassava_trait
def: "Estimate of storage root cyanide content by picrate test with 1 = not detectable and 9 = very high." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2000"]
synonym: "HCN_PIC" EXACT []
xref: ICASS_TRAITID:10134
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-01T04:41:47Z

[Term]

id: CO_334:0000092
name: dry matter content
namespace: cassava_trait
def: "Percentage dry matter storage root." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2000"]
synonym: "DM" EXACT []
xref: ICASS_TRAITID:10093
is_a: CO_334:0000001 ! agronomic trait
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-01T04:57:48Z

[Term]

id: CO_334:0000093
name: frog skin disease
namespace: cassava_trait
def: "Visual rating of symptoms caused by unknown causal agent. Symptoms rated from 1 = (clean, no infection) to 5 = (extremely severe, severely diseased)." [CO:mb]
synonym: "FSD" EXACT []
xref: ICASS_TRAITID:10129
is_a: CO_334:0000028 ! viral disease

created_by: BAKARE
creation_date: 2010-12-02T10:35:31Z

[Term]

id: CO_334:0000094
name: proportion lodged plants
namespace: cassava_trait
def: "Proportion of lodged plants (>45 degrees) in a plot." [CO:mb,
ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PLODPLT" EXACT []
xref: ICASS_TRAITID:10062
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-02T11:39:41Z

[Term]

id: CO_334:0000095
name: beta carotene content
namespace: cassava_trait
def: "Concentration of beta carotene extracted from root samples and
estimated by HPLC expressed in ug per gram fresh weight." [CO:mb,
ISBN:978-131-302-1 "Dixon et al 2000"]
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-02T03:06:12Z

[Term]

id: CO_334:0000096
name: gari content
namespace: cassava_trait
def: "Percentage gari processed from fresh storage roots." [CO:mb]
synonym: "GARCONT" EXACT []
xref: ICASS_TRAITID:10150
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-02T03:12:13Z

[Term]

id: CO_334:0000097
name: fufu content
namespace: cassava_trait
def: "Percentage fufu processed from fresh storage roots." [CO:mb,
ISBN:978-131-302-1 "Dixon et a001 20"]
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-02T03:14:31Z

[Term]

id: CO_334:0000098
name: lafun content
namespace: cassava_trait
def: "Percentage lafun processed from fresh storage roots." [CO:mb]

is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-02T03:18:14Z

[Term]

id: CO_334:0000099
name: plant architecture
namespace: cassava_trait
def: "Plant architecture on a 1-5 scale with 1 = excellent, 2 good, 3 = fair, 4 = bad, and 5 = very bad." [CO:mb]
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-21T09:34:18Z

[Term]

id: CO_334:0000100
name: stipule length
namespace: cassava_trait
def: "A qualitative scoring of the length of the leaflike appendage at the base of the leaf with 3= short, 5 = medium, and 7 = long." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "STIPLT" EXACT []
xref: ICASS_TRAITID:10038
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T10:44:45Z

[Term]

id: CO_334:0000101
name: unexpanded apical leaf color
namespace: cassava_trait
def: "Visual rating of unexpanded apical leaf color with 3 = light green, 5 = dark green, 7 = green-purple, and 9 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LCOLAPC" EXACT []
xref: ICASS_TRAITID:10034
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-03T11:02:12Z

[Term]

id: CO_334:0000102
name: first fully expanded leaf color
namespace: cassava_trait
def: "Visual rating of first fully expanded leaf color with 3 = light green, 5 = dark green, 7 = green-purple, and 9 = purple." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LCOLEXP" EXACT []
xref: ICASS_TRAITID:10035
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-03T11:04:10Z

[Term]
id: CO_334:0000103
name: anthocyanin pigmentation
namespace: cassava_trait
def: "Visual rating of distribution of anthocyanin pigmentation with 0 = absent, 1 = top part, 2 = central part, 3 = totally pigmented."
[CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "ATHOPIG" EXACT []
xref: ICASS_TRAITID:10044
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:10:51Z

[Term]
id: CO_334:0000104
name: young stem growth habit
namespace: cassava_trait
def: "Visual rating of growth habit of young stem with 1= straight and 2 = zig-zag." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "YSMGRHT" EXACT []
xref: ICASS_TRAITID:10045
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-03T11:12:40Z

[Term]
id: CO_334:0000105
name: leaf scar prominence
namespace: cassava_trait
def: "Visual rating of prominence leaf scars (measured on fresh scars) with 3 = little prominence, 5 = moderately prominent, and 7 = prominent." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "LFSCAR" EXACT []
xref: ICASS_TRAITID:10048
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-03T11:14:24Z

[Term]
id: CO_334:0000106
name: first apical branch height
namespace: cassava_trait
def: "Height of first apical branch (ground level to point of first Apical branch, 9 months after planting) in cm." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FAPBRHT" EXACT []
xref: ICASS_TRAITID:10052
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:16:54Z

[Term]
id: CO_334:0000107
name: male sterile
namespace: cassava_trait
def: "Cassava plants that do no produce viable pollen." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "MSTRL" EXACT []
xref: ICASS_TRAITID:10072
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:26:08Z

[Term]
id: CO_334:0000108
name: female staminoids
namespace: cassava_trait
def: "Female cassava flowers without rudimentary stamen scored as 0 = absent and 1 = present." [ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FSTAMEN" EXACT []
xref: ICASS_TRAITID:10071
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:26:34Z

[Term]
id: CO_334:0000109
name: days to flower
namespace: cassava_trait
def: "Days to 50 percent flowering." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "DYFL" EXACT []
xref: ICASS_TRAITID:10073
xref: TO:0000344 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:31:04Z

[Term]
id: CO_334:0000110
name: fruit set
namespace: cassava_trait
def: "Visual rating of cassava fruit set with 0 = absent and 1 = present." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FRTSET" EXACT []
xref: ICASS_TRAITID:10074
xref: TO:0002640 "Plant trait ontology"
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:38:37Z

[Term]
id: CO_334:0000111

name: flower
namespace: cassava_trait
def: "Visual rating of flowers (50%) in plant with 0 = absent and 1 = present." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FLOWER" EXACT []
xref: ICASS_TRAITID:10065
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:39:08Z

[Term]

id: CO_334:0000112
name: fruit exocarp texture
namespace: cassava_trait
def: "Texture of the outer most layer of the cassava fruit scored as 3 = smooth and 7 = rough." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "FREXCAP" EXACT []
xref: ICASS_TRAITID:10075
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-03T11:45:45Z

[Term]

id: CO_334:0000113
name: ploidy level
namespace: cassava_trait
def: "Ploidy level (n = 1,2,3,4) (by morphological characteristics)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "PLOIDY" EXACT []
xref: ICASS_TRAITID:10076
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-03T04:22:27Z

[Term]

id: CO_334:0000114
name: boiled tuberous root color
namespace: cassava_trait
def: "Colour of boiled tuberous roots." [CO:mb]
synonym: "RTCOL" EXACT []
xref: ICASS_TRAITID:10137
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-06T09:25:57Z

[Term]

id: CO_334:0000115
name: storage root cortex color
namespace: cassava_trait
def: "Color of outer surface of storage root cortex (inner skin color)." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]

synonym: "INNCOL" EXACT []
synonym: "INNER ROOT SKIN COLOUR" RELATED []
xref: ICASS_TRAITID:10090
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-06T09:52:27Z

[Term]

id: CO_334:0000116
name: ease of peeling root cortex
namespace: cassava_trait
def: "Visual rating of ease of peeling root cortex with 3 = easy and 7 = difficult." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
synonym: "EASEPL" EXACT []
xref: ICASS_TRAITID:10089
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE
creation_date: 2010-12-06T10:05:56Z

[Term]

id: CO_334:0000117
name: beta carotene retention
namespace: cassava_trait
def: "The percentage of beta carotene content in a prepared food product compared to the nutrient content in the raw food." [CO:mb]
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-07T08:27:22Z

[Term]

id: CO_334:0000118
name: total carotenoid retention
namespace: cassava_trait
def: "The percentage of total carotene content in a prepared food product compared to the nutrient content in the raw food." [CO:mb]
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-07T08:28:06Z

[Term]

id: CO_334:0000119
name: central leaf shape
namespace: cassava_trait
def: "Shape of central leaf taken from a mid-height position rated from 1 = ovoid, 2 = elliptic-lanceolate, 3 = obovate-lanceolate, 4 = oblong-lanceolate, 5 = lanceolate, 6 = straight or linear, 7 = pandurate, 8 = linear-piramidal, 9 = linear-pandurate, and 10 = linear-hostatilobalate." [CO:mb, ISBN:978-131-347-1 "Fuduka et al 2010"]
synonym: "LEAF LOBE SHAPE" RELATED []
is_a: CO_334:0000002 ! morphological trait
created_by: BAKARE

creation_date: 2010-12-21T09:49:14Z

[Term]

id: CO_334:0000120
name: suitability for intercropping
namespace: cassava_trait
def: "Qualitative rating of compatibility for use in intercropping with 0 = unsuitable and 1 = suitable." [CO:mb]
is_a: CO_334:0000001 ! agronomic trait
created_by: BAKARE
creation_date: 2010-12-21T10:37:58Z

[Term]

id: CO_334:0000121
name: amylopectin content
namespace: cassava_trait
def: "Amylopectin content of cassava roots." [CO:mb, ISBN:978-131-302-1 "Dixon et al 2010"]
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-07T06:17:38Z

[Term]

id: CO_334:0000124
name: amylose amylopectin ratio
namespace: cassava_trait
def: "The amylose content of a cassava root sample divided by the amylopectin content of the same sample." [CO:mb]
synonym: "AMYLSRT" EXACT []
xref: ICASS_TRAITID:10149
is_a: CO_334:0000004 ! quality trait
created_by: BAKARE
creation_date: 2010-12-13T08:41:13Z

[Typedef]

id: derives_from
name: derives_from
namespace: cassava_trait
created_by: BAKARE
creation_date: 2010-12-17T05:45:14Z