

Plant		Cuphea		114(05019)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Plant type	Block	Observation	1:Less branching 9:Bushy		Height of main stem and branches, and number of branches at maturity
2	Plant height	10 plants	Measurement	cm (integer)		Length of plant from base to top at maturity
3	Inflorescence	Block	Observation	1:Leafy raceme 9:Separated		Raceme that is well separated from the vegetative parts or not
4	Flowering date	Block	Observation	date		Date that 50% of plants have flowered
5	Maturing date	Block	Observation	date		Date that 90% of plants have dark blown colored seeds on their lower blanches
6	Seed color	Block	Observation	3:Green 4:Greenish blown 5:Blown 6:Dark blown 7:Black		Color of mature seed

Plant		Cuphea		114(05019)	Primary optional character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Corolla	Block	Observation	3:Light purple 4:Purple 5:Reddish purple 6:Dark red	Color of corolla
2	Number of petals	Block	Observation	0:No petal 9:Number of petals	Number of petals
3	Glandular trichome	Block	Observation	0:No trichome 9:Dense trichome	Density of glandular trichome on stem
4	Number of seeds per capsule	10 capsules	Measurement	(integer)	Count the seeds of the capsule on one half of the stem and branches before shattering

Plant		Cuphea		114(05019)	Secondary essential character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Lodging resistance at maturity	Block	Observation	1:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 9:Very high	Degree of stem lodging at maturity
2	Lodging resistance	Block	Observation	1:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 9:Very high	Degree of lodging shown in canopy

Plant		Cuphea		114(05019)	Secondary optional character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Seed dormancy	100 seeds	Measurement	1:No dormancy 3:Light dormancy 5:Intermediate 7:Deep dormancy	Test germinability of mature seeds in six months after harvesting
2	Germinability at low temperature	100 seeds	Measurement	3:Easy 4:Slightly easy 5:Intermediate 6:Slightly high 7:High	Test germinability of mature seeds at several low temperatures
3	Shattering	Block	Observation	3:Easy 4:Slightly easy 5:Intermediate 6:Slightly hard 7:Hard	Degree of shattering at maturity

Plant		Cuphea		114(05019)	Tertiary essential character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Yield	Block	Measurement	Kg/a (round to the 2nd decimal place)	Seed weight in plotted area after fine proccessing and drying
2	1000 seed weight	1000 grains	Measurement	g (round to the 1st decimal place)	Weight of 1000 seeds after air drying
3	Oil content		Measurement	% (round to the 1st decimal place)	Measured by Soxhlet method
4	Fatty acid composition (Caprylic acid)		Measurement	% (round to the 1st decimal place)	Content of Caprylic acid in extracted oil measured by Gas chromatography
5	Fatty acid composition (Capric acid)		Measurement	% (round to the 1st decimal place)	Content of Capric acid in extracted oil measured by Gas chromatography
6	Fatty acid composition (Lauric acid)		Measurement	% (round to the 1st decimal place)	Content of Lauric acid in extracted oil measured by Gas chromatography
7	Fatty acid composition (Myristic acid)		Measurement	% (round to the 1st decimal place)	Content of Myristic acid in extracted oil measured by Gas chromatography