

Caraway (*Carum carvi* L). Descriptors

Methods

Herbs annual, biennial or short lived perennial

Characterization is done on plants in fruits (seeds) formative year of flowering stage

III Characterization and evaluation descriptors

Descriptor code	Number of trait in other descriptors	Descriptor scale	Reference values	Remarks
<i>Annex 1,2</i>				
III/1		Plant life cycle		
		3 annual 5 biennial 7 perennial		
III/2		Stem heigh (cm)		
		3 short 5 medium 7 tall	<40 40-60 >60	Main flowering stem
III/3		Number of shoots		
		1 few 3 medium 5 many	<3 3-5 >5	Stem usually branched above base
III/4		Stem surface		
		1 without hairs 2 dispersed hairs		
III/5		Leaf length (cm)		

		3 short 5 medium 7 long	<6 6-12 >12	Basal leaves
III/6		Leaf width (cm)		
		3 narrow 5 medium 7 broad	<3 3-6 >6	. Basal leaves
III/7		Leaf blade pinnate (dissected)		
		1 bipinnate 3 tripinnate		Basal leaves
III/8		Shape of leaf segments		
		1 lanceolate 3 linear		Basal leaves
III/9		Length of leaf lobules, (mm)		
		3 short 5 medium 7 long	<4 4-6 >6	Leaf blades primary lobes incised into narrow acute lobules
III/10		Width of leaf lobules, (mm)		
		3 narrow 5 medium 7 broad	<1,2 1,2 >1,2	
III/11		Primary umbel diameter (cm)		
		3 small 5 medium 7 large	<8 8 >8	Flowers occur in terminal and lateral clusters (umbels)
III/12		Number of rays of primary umbel		
		3 few 5 medium	<5 5-8	

		7 many	>8	
III/13		Bract		
		1 absent 2 present		Bract is absent or may consist of leaflets
III/14		Number of bracts		
		1 2	1-3 3-5	Bract is absent or may consist of leaflets
III/15		Number of rays of lateral umbels		
III/16		Flowering period		
		1 2	Month beginning Month end	The primary umbel is usually in the female stage of flowering Lateral umbels are in the male stage
III/17		Color of petals		
		1 yellowish-white 2 white 3 pinkish 4 purplish		Observed in full flowering time Using RHS Colour Chart or as below Average of 20 flowers
III/18		Color of petals midvein		
		1 yellow 2 yellow green		Petals broadly obovate, base cuneate, with an inflexed apex Average of 20 flowers
III/19		Length of petals (mm)		
				Average of 20 flowers
III/20		Seed productivity (fertility)		
		3 high 5 medium 7 low	From primary umbel of 10 plants From lateral umbels of 10 plants	

III/21		Seed length (mm)			
		3 short 5 midle 7 long	<4 4 >4	Average of 100seeds	
III/22		Seed width (mm)			
		3 small 5 medium 7 large	<2,5 2,5 >2.5		Average of 100seeds
III/23		Color of fruits (seeds)			
		1 Schizocarp 3 mericarps 5 7	Yellow brown Light brown Brown Dark brown		
III/24		Susceptibility to diseases and pests			
III/25		Total amount of essential oil (%)			
III/26		Compositional characteristics of essential oil (%)			
			Ratio of carvone Ratio of limonene	Gas Chromatography	
III/27		Cytological characters and definite gene			
III/28		Molecular markers			
III/29		Remarks			
				Any aspect information	
III/30		Pictures			

