

Spartina - distinctive features

	<i>S. maritima</i>	<i>S. x townsendii</i>	<i>S. anglica</i>
Ligule - Plant crib [1] “ “ - Stace new flora [2] “ “ - BSBI [3] “ “ - Hubbard [4] “ “ - Saarela PhytoKeys [5]	0,2-0,6 mm 0,2-0,6 mm 0,3-0,8 mm	1-1,5 (-2) mm 1-1,8 mm	2-2,5 (-3) mm 1,8-3 mm (1) 1,4-3,2 mm
Anthers - Plant crib [1] “ “ - Stace new flora [2] “ “ - BSBI [3] “ “ - Hubbard [4] “ “ - Saarela PhytoKeys [5]	4-7 mm 4-6,5 mm 3-5 (6) mm 4-8 mm	5-8 (-10) mm 5-7 (-10) mm indeiscenti 4-8 mm 5-7 (8,5) mm	8-10 (-13) mm (5) 7-10 (-13) mm 6,5-10,5 mm 8-13 mm 7-10 mm
Pollen - Stace new flora [2]	fertile < 45µ	empty, < 45µ	fertile > 45µ
Culms - Stace new flora [2] “ “ - Saarela PhytoKeys [5]	up to 50 (80) cm	up to 130 cm 46 - 100 cm	up to 130 cm 32-104 cm
Spikes - Stace new flora [2] “ “ - Saarela PhytoKeys [5]	(1) 2-3 (5); lenght 3-8 cm	2- 8; lenght 6-24 cm (2) 3-6 (10); lenght 10,5-24 (36) cm	2-12; lenght 7-23 cm (2) 3-5 (11); lenght 12-21,5 (31,5)
Spikelets - Stace new flora [2] “ “ - Saarela PhytoKeys [5]	11-15 mm	(12) 14-18 (20) mm 14-17,5 mm	(15) 17-21 (26) mm (15) 16,5-25 mm
varie - BSBI [3]	terminal bristle of raceme 8-18 (21) mm		terminal bristle of raceme 18-50 (57) mm
Angle leaf - stem	angle between leaf and stem, mean = 22°	angle between leaf and stem at least 30° - 40° (PhytoKeys - Saarela)	angle between leaf and stem 30°-60° (PhytoKeys - Saarela), often almost 90° (Key to West Coast <i>Spartina</i> species)
Veins and lenght glumes - PhytoKeys - Saarela [5] Nerve in lemma - March. 68 [6]	nerve in lemma: 1	3 veined upper glumes 12,5- 16,5 mm long (PhytoKeys - Saarela) nerve in lemma: 1-3	3-6 veined upper glumes 13-22 mm long (PhytoKeys - Saarela) nerve in lemma: 1-3

[3] Cope T. & Gray A., 2009 - *Grasses of the British Isles*. B.S.B.I. No. 13, London.

[4] Hubbard C. E., 1984 - *Grasses*. Third Edition. Penguin Books, London.

[6] Marchant, C. J. (1968). Evolution in *Spartina* (Gramineae). II. Chromosomes, basic relationships and the problem of the *S. x townsendii* agg. *Bot. J. Linn. Soc.* 60, 381-409.

[1] Rich T. C. G. & Jermy A. C., 1998 - *Plant Crib 1998*. Botanical Society of the British Isles, London.

[5] Saarela J. M., 2012 - Taxonomic synopsis of invasive and native *Spartina* (Poaceae, Chloridoideae) in the Pacific Northwest (British Columbia, Washington and Oregon), including the first report of *Spartina x townsendii* for British Columbia, Canada. *PhytoKeys* 10: 25–82. doi: 10.3897/phytokeys.10.2734.

[2] Stace C., 2010 - *New Flora of the British Isles*. Third Edition. Cambridge University Press, Cambridge, UK.