

Table 1 Suppl. A global overview of *Festulolium* cultivars bred from alternative *Lolium* × *Festuca* hybrid combinations (cultivars in bold registered on the 2020 OECD list). Specific data on two *Festulolium* cultivars, Hba2544 and LE 16-26, registered on the OECD list 2020, were not recognized.

Initial hybrid combination	Breeding approach	Cultivar	Ploidy level ^a	Country of origin	
<i>Lolium multiflorum</i> × <i>Festuca pratensis</i>	amphiploidy	Elmet	tetraploid	United Kingdom	
	amphiploidy	Emrys	tetraploid	United Kingdom	
	amphiploidy	Achilles	tetraploid	Czech Republic	
	amphiploidy	Helus	tetraploid	Czech Republic	
	amphiploidy	Hopej	tetraploid	Czech Republic	
	amphiploidy	Hostyn	tetraploid	Czech Republic	
	amphiploidy	Hyperon	tetraploid	Czech Republic	
	amphiploidy	Perseus	tetraploid	Czech Republic	
	amphiploidy	Perun	tetraploid	Czech Republic	
	amphiploidy	Lifema	tetraploid	Germany	
	amphiploidy	Lina DS	tetraploid	Lithuania	
	amphiploidy	Puga	tetraploid	Lithuania	
	amphiploidy	Rakopan	tetraploid	Poland	
	amphiploidy	Festum	tetraploid	Italy	
	amphiploidy	Tatay II	tetraploid	Argentina	
	introgression	AberNiche	tetraploid	United Kingdom	
	introgression	Evergreen	tetraploid	United States	
	introgression	Kemal	tetraploid	United States	
	introgression	Tandem	tetraploid	United States	
	<i>Festuca pratensis</i> × <i>Lolium multiflorum</i>	amphiploidy	Paulita	tetraploid	Germany
amphiploidy		Paulena	tetraploid	Germany	
amphiploidy		Fedoro	tetraploid	Germany	
amphiploidy		Agula	tetraploid	Poland	
amphiploidy		Felopa	tetraploid	Poland	
amphiploidy		Sulino	tetraploid	Poland	
amphiploidy		Punia DS	tetraploid	Lithuania	
amphiploidy		Nakei 1	tetraploid	Japan	
introgression		Tohoku 1 ¹	tetraploid	Japan	
introgression		Merlin	tetraploid	Uruguay	
introgression		Felovia	tetraploid	Switzerland	
introgression		Felimare ²	tetraploid	Switzerland	
<i>Lolium perenne</i> × <i>Festuca pratensis</i>		amphiploidy	Prior	tetraploid	United Kingdom
		amphiploidy	Spring Green ³	tetraploid	United States
		amphiploidy	Fabel	tetraploid	Norway
		amphiploidy	Frosta	tetraploid	Norway
	amphiploidy	North fest	tetraploid	Japan	
	introgression	Matrix	diploid	New Zealand	
	introgression	Revolution	diploid	New Zealand	
	introgression	Ultra	diploid	New Zealand	
	introgression	Barrier ⁴	diploid	New Zealand	
	introgression	AberNile ^{5, b}	diploid	United Kingdom	
	introgression	Barfest	tetraploid	Netherlands	
	introgression	Duo	tetraploid	United States	
<i>Lolium</i> spp. × <i>Festuca pratensis</i>	introgression	Icarus ⁶	tetraploid	Japan	
<i>Lolium</i> × <i>hybridum</i> × <i>Festuca pratensis</i>	introgression	Saikava	tetraploid	Latvia	
	introgression	Vizule	tetraploid	Latvia	
	introgression	Festilo	tetraploid	Belgium	
<i>Lolium multiflorum</i> × <i>Festuca arundinacea</i> var. <i>glaucescens</i>	amphiploidy	Lueur	tetraploid	France	
	amphiploidy	Lusilium	tetraploid	France	
	amphiploidy	Luxane	tetraploid	France	
	introgression	AberLink	diploid	United Kingdom	
<i>Lolium multiflorum</i> × <i>Festuca arundinacea</i>	introgression	Honor ^b	diploid	Czech Republic	
	introgression	Horimir ^b	diploid	Czech Republic	
	introgression	Bečva	tetraploid	Czech Republic	
	introgression	Hathor	tetraploid	Czech Republic	

Initial hybrid combination	Breeding approach	Cultivar	Ploidy level ^a	Country of origin
	introgression	Hermes	tetraploid	Czech Republic
	introgression	Hypnos	tetraploid	Czech Republic
	introgression	Lofa	tetraploid	Czech Republic
	introgression	Větra	tetraploid	Lithuania
	introgression	Diagram	hexaploid	Czech Republic
	introgression	Felina	hexaploid	Czech Republic
	introgression	Fojtan	hexaploid	Czech Republic
	introgression	Hemsut	hexaploid	Czech Republic
	introgression	Hipast	hexaploid	Czech Republic
	introgression	Honak	hexaploid	Czech Republic
	introgression	Hykor	hexaploid	Czech Republic
	introgression	Kebo	hexaploid	Czech Republic
	introgression	Korina ^b	hexaploid	Czech Republic
	introgression	Lesana ^b	hexaploid	Czech Republic
	introgression	Lukida	hexaploid	Czech Republic
	introgression	Mahulena	hexaploid	Czech Republic
	introgression	Naos	hexaploid	Czech Republic
	introgression	Rebab	hexaploid	Czech Republic
	introgression	Kenhy	hexaploid	United States
	introgression	Johnstone	hexaploid	United States
	amphiploidy	KY-2N56 ⁷	octoploid	United States
<i>Lolium perenne</i> × <i>Festuca mairei</i>	amphiploidy	AberRoot ⁸	tetraploid	United Kingdom
<i>Lolium</i> spp. × <i>Festuca</i> spp.	introgression	Splice ⁹	tetraploid	New Zealand

^a diploid ($2n = 2x = 14$); tetraploid ($2n = 4x = 28$); hexaploid ($2n = 6x = 42$), octoploid ($2n = 8x = 56$);

^b turf cultivars (V. Cernoch, pers. comm.);

¹ cv. Tohoku 1 was developed from inter-crossing of three cvs: Evergreen, Paulita and Tandem (A. Kubota, personal communication);

² cv. Felimare was developed from intercrossing of cv. Felovia with *L. × hybridum* (Ch. Grieder, pers. com.);

³ cv. Spring Green was developed from intercrossing of four cvs: Elmet, Kemal, Tandem and Prior (Casler *et al.* 2001);

⁴ cv. Barrier (meadow fescue type) was developed from intercrossing of *F. pratensis* with cvs Matrix, Revolution and Ultra (A. Stewart, personal communication);

⁵ cv. AberNile – *L. perenne* introgression line of amenity grass with a homozygous recessive mutant “stay-green – *sid*” gene transferred from *F. pratensis* conferring disrupted leaf senescence (Thomas *et al.* 1997);

⁶ cv. Icarus was developed from intercrossing of four cvs: Evergreen, Paulita, Tandem, and Duo (A. Kubota, personal communication);

⁷ KY-2N56 germplasm – the first tall fescue hybrid derivative of *L. multiflorum* × *F. arundinacea* and *F. arundinacea* × *F. gigantea* hybrids (Pedersen *et al.* 1990);

⁸ cv. AberRoot – the first *L. perenne* × *F. mairei* amphiploid cultivar (formerly referred to in publications as Bx511 and Lp × Fm), having gained entry onto the UK National List 2020 (M. Humphreys, personal communication);

⁹ cv. Splice (Italian ryegrass type) was developed from intercrossing of *L. multiflorum*, *L. perenne*, *F. pratensis* and *F. arundinacea* (A. Stewart, personal communication).