Botanical garden of Mendel University in Brno

List of turfgrass species and cultivars in the demo trial:

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| No. | Species | Cultivar / sponsor / breeder |
| 1.  | *Lolium perenne* | New Orleans (stol.) Seed service/Jacklin |
| 2 | *Lolium perenne* | Presidian Seed service/ Columbia seed |
| 3 | *Lolium perenne* | Trenk Seed service/ Haan Zaden |
| 4 | *Lolium perenne* | Laudon Seed service/ Haan Zaden |
| 5 | *Festuca arundinacea* | Karakum Seed service/ Haan Zaden |
| 6 | *Poa pratensis* | Marauder Seed service/ Columbia seed |
| 7 | *Festuca rubra rubra* | Kent (strong cr.) Seed service/ Columbia |
| 8 | *Poa supina* | Supranova Seed service/ Stainach D |
| 9 | *Lolium baucheanum/hybridum* | Crossover Seed service/ Columbia S. |
| 10 | *Festuca trachyphylla/longifolia* | Shaun Seed service/ Landmark |
| 11 | *Lolium perenne* | Vojta Oseva Uni (Br. stat. Větrov, CZ) |
| 12 | *Lolium perenne* | Honzík Oseva Uni |
| 13 | *Festuca rubra commutata* | Aranka (chewing f.) Oseva Uni |
| 14 | *Festuca rubra commutata* | VV-FRC-0830 (chewing f.) Oseva Uni |
| 15 | *Festuca rubra commutata* | Andulka (chewing f.) Oseva Uni |
| 16 | *Festuca rubra commutata* | Protenza (chewing f.) bluish Oseva Uni |
| 17 | *Festuca rubra rubra* | Jitka (strong creeping) Oseva Uni |
| 18 | *Festuca rubra trichophylla* | Mirka (slender creeping) Oseva Uni |
| 19 | *Festuca rubra trichophylla* | VV-FRL-0601(slender creeping) Oseva Uni |
| 20 | *Deschampsia caespitosa* | Kometa Oseva Uni |
| 21 | *Festuca arundinacea* | Zuzana Oseva Uni |
| 22 | *Festuca arundinacea* | Johanka Oseva Uni |
| 23 | *Festuca ovina* | Lucka Oseva Uni |
| 24 | *Festuca trachyphylla* | Štěpánka Oseva Uni |
| 25 | *Phleum bertolonii* | Zubr Oseva Uni |
| 26 | *Festuca arundinacea* | Kontiky DLF |
| 27 | *Festuca rubra trichophylla* | Samanta (slender creeping) DLF |
| 28 | *Festuca rubra trichophylla* | Makyta (slender creeping) DLF (CZ) |
| 29 | *Lolium perenne* | Hannibal DLF (CZ) |
| 30 | *Lolium perenne* | Double DLF  |
| 31 | *Festulolium*  | Horimir DLF (CZ) |
| 32 | *Festulolium*  | Honor DLF (CZ) |
| 33 | *Lolium perenne* | Jaran - forage type DLF (CZ) |
| 34 | *Agrostis capillaris* | Kuzma DLF (CZ) |
| 35 | *Mixture (LP+FR+TR+PP)* | Ecolawn DLF |
| 36 | *Trifolium repens Microclover* | Pipolina DLF |
| 37 | *Poa pratensis*  | Harmonie – turfgrass type DLF (CZ) |
| 38 | *Poa pratensis*  | Lato – forage type |
| 39 | *Koeleria macrantha* | Barkoel |
| 40 | *Deschampsia caespitosa* | Barcampsia |
| 41 | *Lolium perenne* | Barclay II |
| 42 | *Lolium perenne* | Barlibro |
| 43 | *Festuca trachyphylla* | Hardtop |
| 44 | *Festuca trachyphylla* | Dorotka |
| 45 | *Cynodon dactylon* | Riviera |
| 46 | *Zoysia japonica* | Meyer (turf produced by Richter Rasen) |
| 47 | *Cynodon dactylon* | local ecotype, frost resistant |
| 48 | *Buchloe (Bouteloua)dactyloides*  | ecotype |

List of management practices:

**Term of sowing/planting:**

Plots No. 1 – 24 (with the exception of plot 10) September 15th 2016

No. 25 – 38 September 26th 2016; No. 39 – 44 September 29th 2016, No. 10 April 27th 2017;

No. 47 – 68 June 26th 2017 (planted from plugs)

No. 46 June 29th 2017 (planted as turf – Richter Rasen)

No. 45 August 14th 2017 (planted from plugs)

**Seeding rates**

*Lolium perenne* 20 g m-2; *Festuca rubra+trachyphylla+ovina* 20 g m-2; *Festuca arundinacea* 30 g m-2; *Poa* *pratensis* and *supina* 15 g m-2; *Deschampsia caespitosa* 20 g m-2; Koeleria macrantha 20 g m-2; Trifolium repens 4 g m-2; Agrostis capillaris 8 g m-2; others 20 g m-2

**Fertilizing**

Initial status - Heavy soil with good nutrient level (Mehlich III, mg/kg dry soil): pHCaCl2 7.28; P 116 (good), K 486 (high), Ca 10063 (high), Mg 370 (good)

Amonnium saltpeter (4 g N m-2) – March 29th 2017

Lovogreen (NPK 20-5-8-2: 4 g N m-2) April 27th 2017

Lovogreen (NPK 20-5-8-2: 4 g N m-2) May 31st 2017

Lovogreen (NPK 20-5-8-2: 3 g N m-2) August 7th 2017

Urea (sprayed in solution, 3 g N m-2) August 28th 2017

**Herbicides treatment:**

Bofix (MCPA+Fluroxypyr+Clopyralid: 3.5 l.ha-1) May 4th 2017

Bofix – C4 grasses and locally the others, August 22nd 2017

**Mowing**

Rotary mower, cutting height 40 mm, 7 times, last mowing August 30th 2017