Buckwheat variety trial 2024 MN

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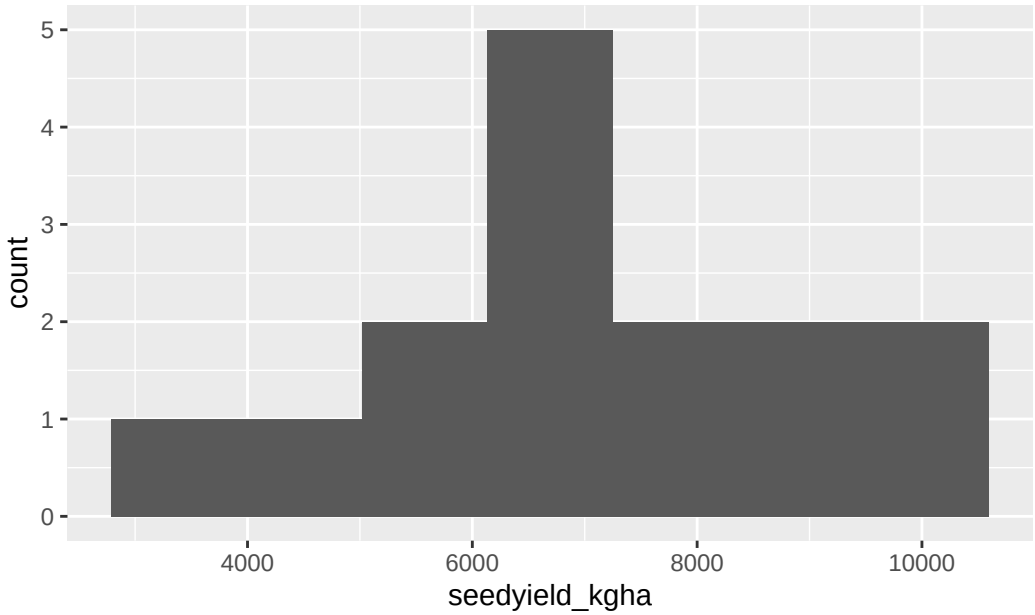
Yield

takeaway: Koto yielded less than other varieties



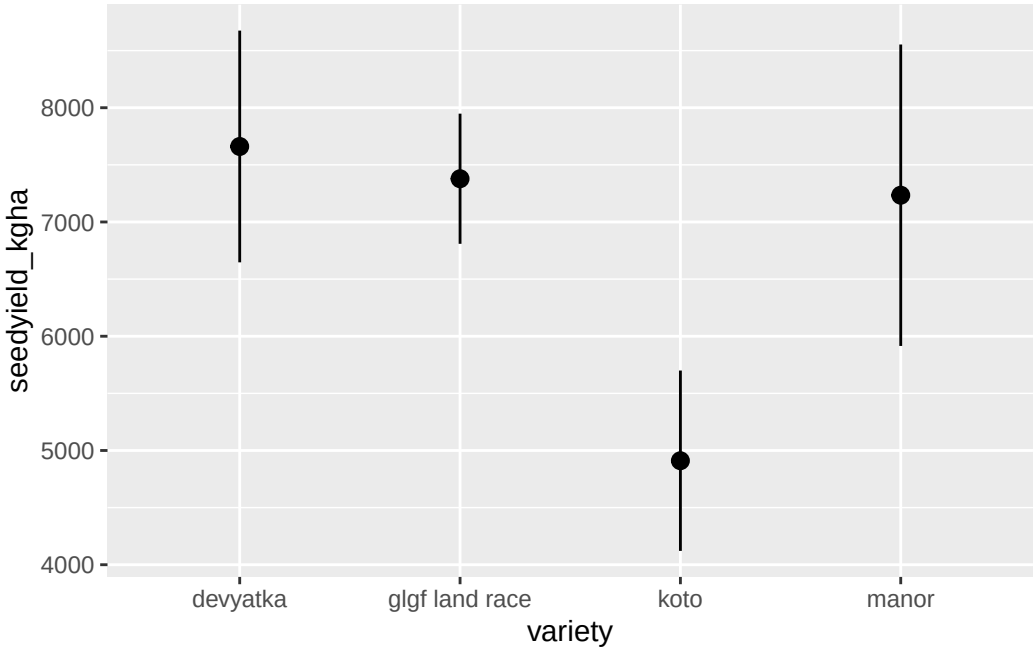


Table 1: seed yield in kg ha

mean	max	min	n
6921.697	10170.6	3477.69	15

Table 2: seed yield in kg ha

variety	mean	max	min	n
devyatka	7660.761	10104.987	5314.961	4
glgf land race	7378.609	8877.953	6299.213	4
koto	4910.324	6200.787	3477.690	3
manor	7234.252	10170.604	4133.858	4

- Seed yield averaged 6921 kg ha
- koto yielded less than other varieties

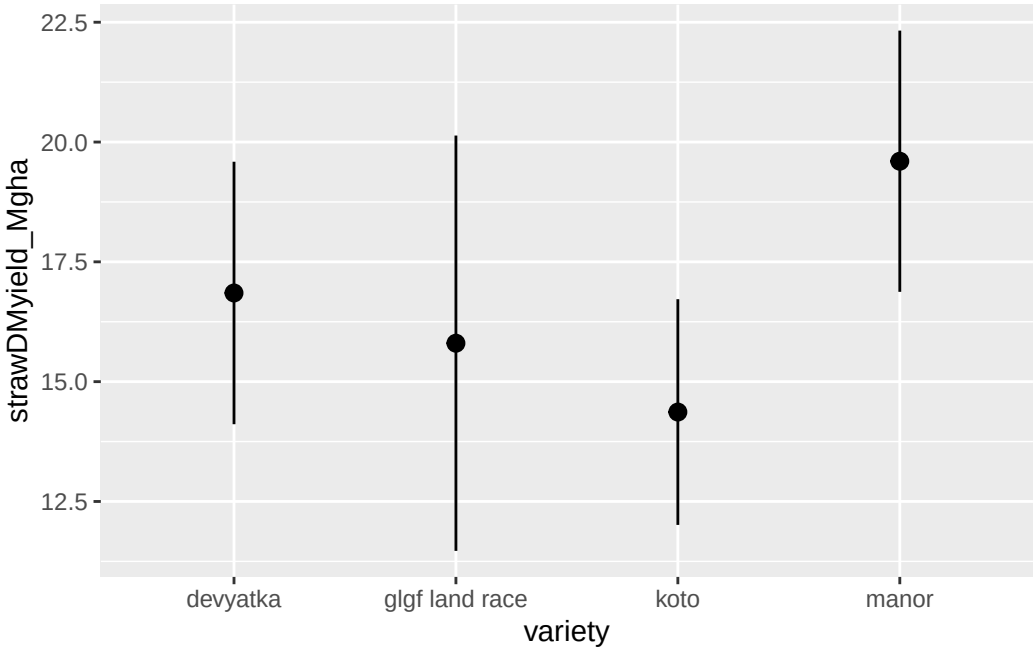


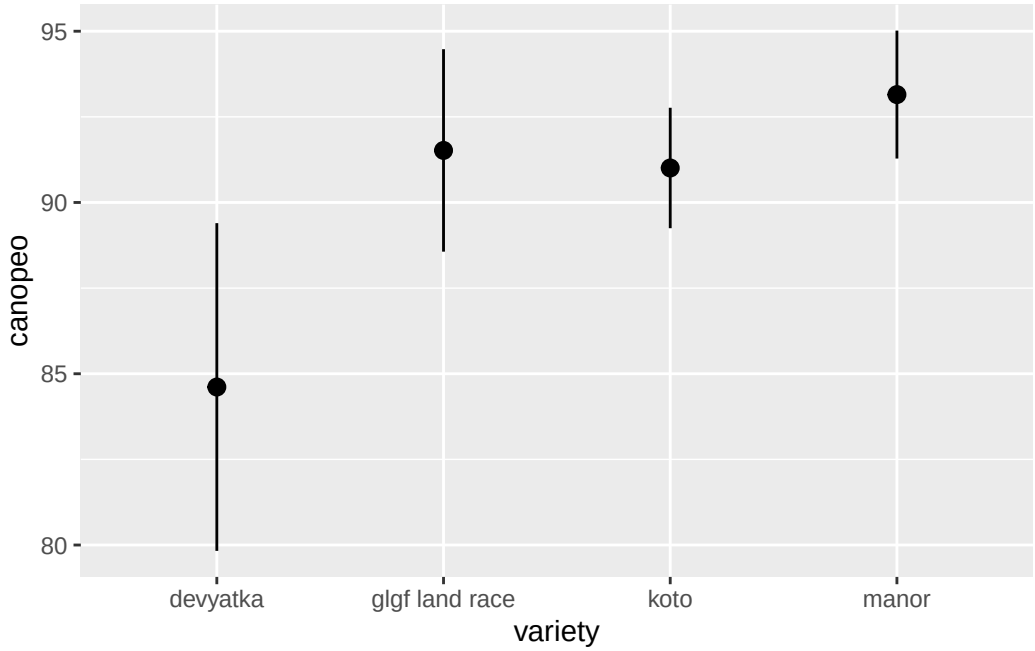
Table 3: straw dry matter yield in Mg ha

mean	max	min	n
16.80709	25.7874	4.166667	15

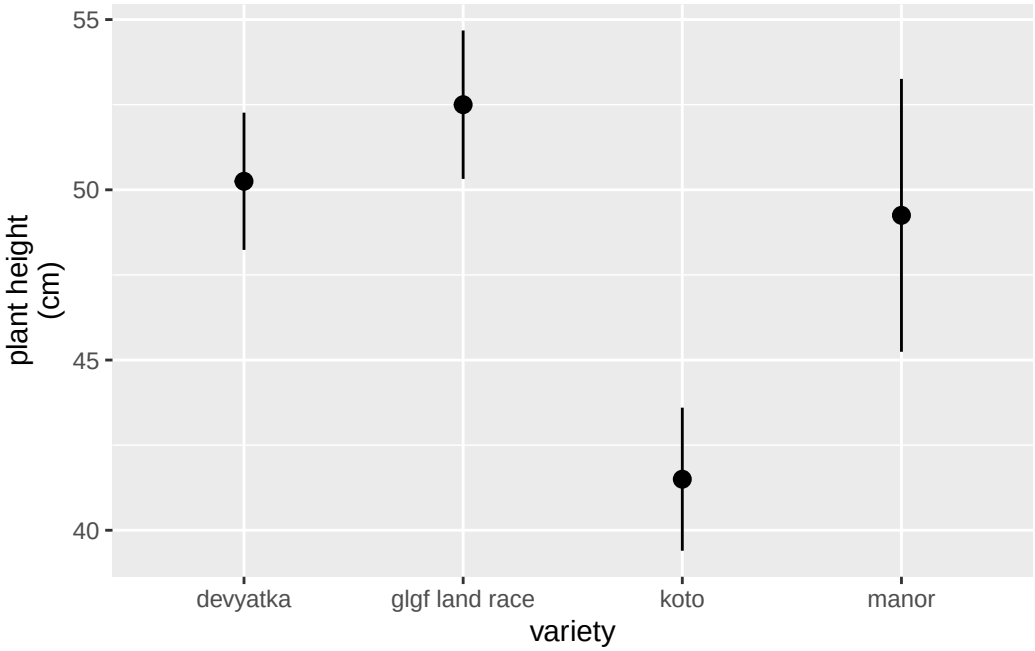
- straw dry matter yield averaged around 17 Mg ha
- straw dry matter yield was variable with no obvious differences among varieties

Weed suppression

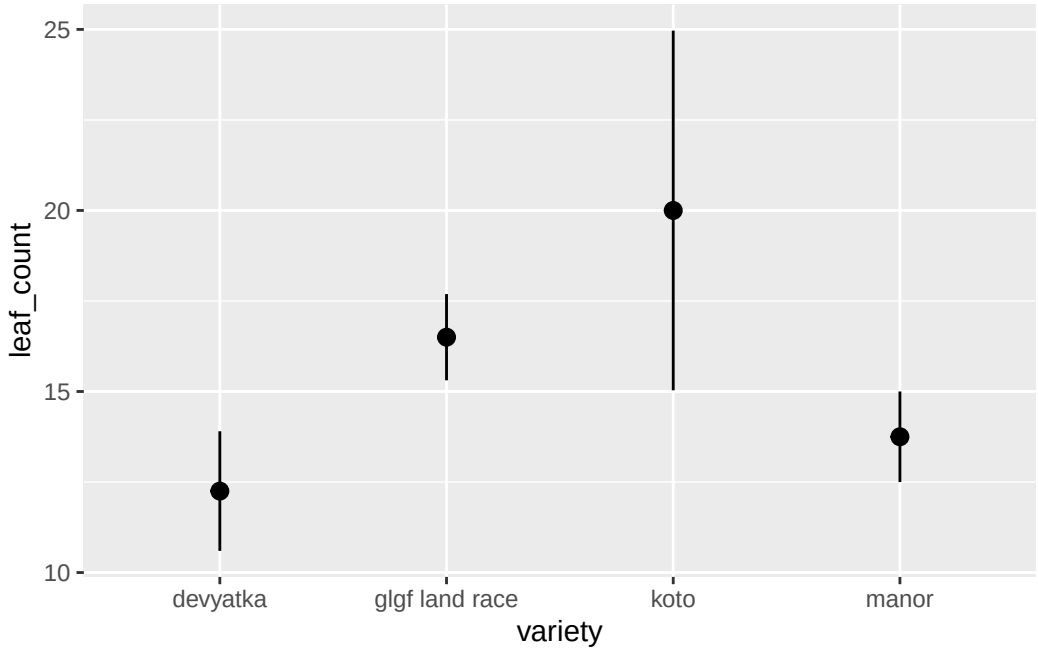
Takeaway: koto was shorter and had more leaves but had similar soil coverage as other varieties on 29July.



- On 23July, devyatka seems to be closing canopy slower than other buckwheat varieties



- On 23July, Koto is shorter than other buckwheat varieties



- On 23July, Koto may average more leaves than other varieties per plant.

collected at harvest on 16Sep20204. Higher score means more weedy.

- At harvest, weediness is an indirect way of measuring how patchy the stand was. Patchiness coming from lodging. Koto seems to be weedier than at least glgf land race, which

would also agree with koto having a lower seed yield. Looks like koto stands just didn't do that good.