I think as you run my model for many generations without seed input, all diversity levels will collapse to 2, apart from monos of course. The best mono might be able to beat the best 2-spp mix. As higher-diversity mixtures lose species, I think they might increase their biomass, as they shed the uncompetitive ones that might eat away at the biomass of better competitors during the growing season - it's a sort of combination of scramble and contest competition in my model. I guess if you keep adding seeds, then you might retain the diversity and have lower biomass as a consequence? But it probably depends how much seed you're adding.