

On June 1st 2024 I planted approximately 8lbs/acre of Seedway FGS 801 Grain Sorghum at a depth of 2" using an Esch 5612 No till drill. The sorghum was planted into a killed cover crop, planted the previous August 2023 consisting of crimson clover, hairy vetch, daikon radishes and annual ryegrass with the goal of making nitrogen for the sorghum crop. On 6/3/2024 I used the same no till drill to plant at a planned depth of 0.25 inches the switchgrass varieties Timber, Independence, and Liberty. The seeding was completed at an angle to the original sorghum seeding so that it was able to identify where to plant. When the original sorghum was planted 4 control plots were left with no sorghum planted.











Series of photos shows warm season grass interseeded with sorghum crop experiment developing stand which will take over after sorghum harvest. Planting the warm season grass with the sorghum nurse crop helped suppress weed competition which hinders first year establishment of warm season grass stands.



"My feelings are that the switchgrass seeded into the sorghum did fairly well and is growing. One thing I noticed was that when I seeded the switchgrass I did not have the drill settings correct and actually planted it too deep. So the spottiness across the field may be due to my error. There are definitely areas where switchgrass is taking off in the field, and it did not come from any other source than our "inter-cropping". In the future if I were trying to establish a stand of warm season grasses I would try this again with my own funds if I wanted to expedite the establishment. Thanks again for all of your help with this."

\* Followup comment from Tyson Myers-project participant producer

"This material is based upon work supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, through the Northeast Sustainable Agriculture Research and Education program under subaward number ONE22-428 with assistance from Penn Soil RC&D Council."

