

Spool Growth Tracking Chart

Spool Seeding Timeline	Gametophyte Seeding Timeline	Notes	Images
Days 0-14	n/a	For the first two weeks after seeding, it will be hard to tell what is happening on your spools. They may darken slightly , but the change will be subtle. During this time, it is important to monitor your tanks very closely for signs of contamination.	
Days 15-21	Days 0-7	During this time, the spools will darken as the gametophytes grow and microscopic sporophytes form. For gametophyte seeding, the spools will have a light color as soon as they are painted.	
Days 22-28	Days 8-14	At this stage, you will begin to see very small sporophytes on your spools with the naked eye. It will be easiest to see these from a top view or under the microscope.	
Days 29-35	Days 15-22	By the fourth week, you will be able to see well developed sporophytes on your spool. It may help to gently shake your spool in the water to see the small sporophytes sway back and forth.	

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Days 36-42	Days 22-28	During the fifth week, your spools will continue to darken as your sporophytes grow. You will see variation along your spool depending on your lighting style. For top lighting, sporophytes on the ends of the spools will be bigger than those in the middle.	
Days 43-49	Days 29-35	At this point, your spools should be outplant ready and the majority of the sporophytes in the middle of the spools will be 3–5 mm long.	