

Date:17-Aug-2016

Date:22-Aug-2016

| Species | Jar # | % growth | density | notes | Jar # | % growth | density |
|--|-------|----------|---------|---|-------|----------|---------|
| <i>G. frondosa</i> date mixed: 31-Aug-16 | 1 | n/a | n/a | | 1 | n/a | n/a |
| | 2 | n/a | n/a | | 2 | n/a | n/a |
| | 3 | n/a | n/a | | 3 | n/a | n/a |
| | 4 | n/a | n/a | | 4 | n/a | n/a |
| | 5 | n/a | n/a | | 5 | n/a | n/a |
| <i>L. edodes</i> date mixed: 31-Aug-16 | 1 | n/a | n/a | | 1 | n/a | n/a |
| | 2 | n/a | n/a | | 2 | n/a | n/a |
| | 3 | n/a | n/a | | 3 | n/a | n/a |
| | 4 | n/a | n/a | | 4 | n/a | n/a |
| | 5 | n/a | n/a | | 5 | n/a | n/a |
| <i>P. djamor</i> date mixed: 18-Aug-16 | 1 | n/a | n/a | | 1 | 100 | i |
| | 2 | n/a | n/a | | 2 | 100 | i |
| | 3 | n/a | n/a | | 3 | 100 | i |
| | 4 | n/a | n/a | | 4 | 100 | 0-i |
| | 5 | n/a | n/a | | 5 | 100 | 0-i |
| <i>P. ostreatus brat</i> date mixed: 18-Aug-16 | 1 | n/a | n/a | | 1 | 100 | i |
| | 2 | n/a | n/a | | 2 | 100 | i |
| | 3 | n/a | n/a | | 3 | 100 | i-ii |
| | 4 | n/a | n/a | | 4 | 100 | i-ii |
| | 5 | n/a | n/a | | 5 | 100 | i |
| <i>P. ostreatus columbinus</i> date mixed: 16-Aug-16 | 1 | 50 | i | growth already visible after only 1 day! No contams visible | 1 | 100 | i-ii |
| | 2 | 45 | i | growth already visible after only 1 day! No contams visible | 2 | 90 | i |
| | 3 | 45 | i | growth already visible after only 1 day! No contams visible | 3 | 100 | i |
| | 4 | 35 | i | growth already visible after only 1 day! No contams visible | 4 | 100 | i-ii |
| | 5 | 20 | i | growth already visible after only 1 day! No contams visible | 5 | 80 | i-ii |
| <i>P. wild CA creek</i> date mixed: 16-Aug-16 | 1 | 30 | i | visible growth, no contams visible | 1 | 100 | i-ii |
| | 2 | 35 | i | visible growth, no contams visible | 2 | 100 | i-ii |
| | 3 | 35 | i | visible growth, no contams visible | 3 | 100 | i-iii |
| | 4 | 20 | i | visible growth, no contams visible | 4 | 100 | i-ii |
| | 5 | 15 | i | visible growth, no contams visible | 5 | 100 | i-ii |
| <i>S. rugosoannulata</i> date mixed: 18-Aug-16 | 1 | n/a | n/a | | 1 | 60 | i-ii |
| | 2 | n/a | n/a | | 2 | 85 | i-ii |
| | 3 | n/a | n/a | | 3 | 90 | i-iii |
| | 4 | n/a | n/a | | 4 | 95 | i-ii |
| | 5 | n/a | n/a | | 5 | 95 | i |
| <i>T. versicolor black</i> date mixed: 18-Aug-16 | 1 | 50 | i | seem vigorous, already fuzzing out. No contams visible | 1 | 75 | i-ii |
| | 2 | 45 | i | seem vigorous, already fuzzing out. No contams visible | 2 | 95 | i-iii |
| | 3 | 45 | i | seem vigorous, already fuzzing out. No contams visible | 3 | 95 | i-iii |
| | 4 | 50 | i | seem vigorous, already fuzzing out. No contams visible | 4 | 98 | i-iii |
| | 5 | 40 | i | seem vigorous, already fuzzing out. No contams visible | 5 | 100 | i-iii |

Date: 29-Aug-2016

| notes | Jar # | % growth | density |
|---|-------|----------|----------|
| | 1 | n/a | n/a |
| | 2 | n/a | n/a |
| | 3 | n/a | n/a |
| | 4 | n/a | n/a |
| | 5 | n/a | n/a |
| | 1 | n/a | n/a |
| | 2 | n/a | n/a |
| | 3 | n/a | n/a |
| | 4 | n/a | n/a |
| | 5 | n/a | n/a |
| mycelial icicles hanging from particles on walls of jar. Consistently very fine mycelium throughout. A seed germinated! Spooky looking again, very consistently fine myc throughout, a couple 'icicles' but not as many particles stuck on walls. | 1 | 100 | i |
| | 2 | 100 | i |
| two spots with white mycelium, the rest same as jars #1 and #2 | 3 | 100 | i |
| very fine mycelium consistent throughout | 4 | 100 | i |
| extremely fine mycelium throughout... almost invisible | 5 | 100 | i |
| very fine mycelium reached all parts of substrate, visibly touching VW particles, climbing glass in 2 spots, few dense spots | 1 | 100 | i-ii |
| fine mycelium, a bit thicker than jar #1, reached entire jar substrate. A few denser spots | 2 | 100 | i-ii |
| a bit thicker mycelium than the first two jars, several dense white spots | 3 | 100 | i-ii |
| exactly like jar #3 | 4 | 100 | i-ii |
| mostly very fine mycelium, a few dense spots at surface of substrate. All jars seem like the mycelium is not avoiding VW | 5 | 100 | i-ii-iii |
| a seed has germinated in jar! (from VW no doubt) actually 2, one on upper wall of jar. Mycelium looks happy | 1 | 100 | i-ii |
| very fine myc, base not totally colonized yet. Myc visibly touching VW particles | 2 | 80 | i |
| fine myc, few dense spots, 'truffula tree' sd piece at top | 3 | 100 | i |
| mostly very fine myc, some dense spots, touching VW | 4 | 100 | i-ii |
| very fine myc in large areas, other large areas of ii dense myc | 5 | 100 | i-ii |
| fine myc to dense chunks scattered throughout. Not avoiding VW | 1 | 100 | i-ii |
| fine myc to dense chunks scattered throughout. Not avoiding VW | 2 | 100 | i-ii-iii |
| fine myc to dense chunks scattered throughout. Not avoiding VW | 3 | 100 | i-ii-iii |
| very fine myc through most, one large area of ii, a few small spots of ii | 4 | 100 | i-ii |
| about half i, half ii | 5 | 100 | i-ii |
| pattern of myc growth noticeably diff, forming 'islands' of colonization w bright white edges | 1 | 60 | ii |
| pattern of myc growth noticeably diff, forming 'islands' of colonization w bright white edges | 2 | 85 | ii |
| 'caves' of bright thick myc form around chunks of VW! Fin fine myc on sdust | 3 | 95 | i-ii-iii |
| same as jars 1,2,3, and two large caves at base around sd and vw | 4 | 85 | i-ii-iii |
| extremely fine mycelium | 5 | 100 | i-ii-iii |
| slightly resembles sra in growth habit, large areas of ii, 'caves', and a couple large uncolonized spots | 1 | 70 | ii |
| powdery, mostly bright white myc, with a few 'caves' around VW, thick iii myc on surface of substrate | 2 | 90 | i-ii-iii |
| same as 2, plus a pocket of yellow 'mushroom pee' and fewer 'caves' | 3 | 95 | i-ii-iii |
| mostly ii, a couple small 'caves' around VW | 4 | 95 | i-ii-iii |
| spots of either very fine or thick myc, no iis, just i and iii, solid white 'continents' of myc | 5 | 100 | i-iii |

Date: 06-Sept-2016

| notes | Jar # | % growth | density |
|--|-------|----------|-----------|
| | 1 | 40 | i-ii |
| | 2 | 45 | i-ii |
| | 3 | 65 | i-ii |
| | 4 | 65 | i-ii |
| | 5 | 75 | i-ii |
| | 1 | 65 | i-ii |
| | 2 | 75 | i-ii |
| | 3 | 95 | i-ii |
| | 4 | 85 | i-ii |
| | 5 | 100 | i-ii |
| no contam | 1 | 100 | i-iii |
| no contam | 2 | 100 | i |
| no contam | 3 | 100 | i-iii |
| no contam | 4 | 100 | i |
| no contam | 5 | 100? | o-i |
| no contam | 1 | 100 | i-ii |
| no contam | 2 | 100 | i-ii |
| no contam | 3 | 100 | i-ii |
| no contam | 4 | 100 | i-ii |
| no contam, one large white area with yellow liquid droplets | 5 | 100 | i-ii-iii |
| no contam, myc growing on germinated seeds | 1 | 100 | i-ii |
| no contam, base not colonized, very fine myc | 2 | 85 | i-ii |
| no contam | 3 | 100 | i |
| no contam | 4 | 100 | i-ii |
| no contam, some very fuzzy myc at top | 5 | 100 | i(-ii) |
| no contam, some very fuzzy myc at top | 1 | 100 | i-ii-iii |
| no contam, I think its trying to fruit at the top | 2 | 100 | i-ii-iii |
| no contam | 3 | 100 | i-iii |
| no contam, mostly i, some ii | 4 | 100 | i-ii-iii |
| no contam, = i:ii | 5 | 100 | i-ii-iii |
| a lot of green mold spots are growing throughout the jar, but not ON mycelium.... | 1 | 45 | iii=ribbo |
| one large area of mold on front face of jar, and one small close by at basee | 2 | 40 | iii=ribbo |
| one small patch of green mold on surface, 2 'lines' of spots just above substrate on glass | 3 | 75 | i-ii-iii |
| one area of mold but myc is thick there too... thick myc at surface | 4 | 95 | i-ii-iii |
| very fine throughout, a bit thicker at surface | 5 | 100 | i-ii-iii |
| large areas of green mold | 1 | 65 | i-ii-iii |
| caves' showing mold growth, very thick myc on surface, a lot of iii | 2 | 95 | i-ii-iii |
| mold cave at base, mostly iii, a couple caves, thick surfaceshowing liquid droplets | 3 | 95 | i-iii |
| no green visible, but very suspect 'cave' at baseeeeeeee. Mostly iii. Liquid droplets at sruface | 4 | 100 | i-iii |
| no contam | 5 | 100 | i-iii |

Date: 13-Sept-2016

| notes | Jar # | % growth | density |
|--|-------|----------|----------|
| no contam visible, growth more visible on sd than on vw | 1 | 20 | i |
| no contam visible, growth mostly on one half of jar | 2 | 35 | i |
| no contam visible | 3 | 35 | i |
| no contam visible | 4 | 50 | i |
| no contam visible | 5 | 100 | i-ii |
| no contam visible, perhaps slight preference for sd over vw | 1 | 65 | i-ii |
| no contam visible | 2 | 75 | i-ii |
| no contam visible | 3 | 95 | i-ii |
| no contam visible | 4 | 50 | i-ii |
| no contam visible | 5 | 100 | i-ii |
| no contam visible, mostly very thin mycelium, a few tiny spots of pink iii (fruiting?) | 1 | 100 | i |
| no contam visible, very fine | 2 | 100 | i |
| no contam visible, mostly very fine w a few tiny pink spots | 3 | 100 | i |
| no contam visible, very fine | 4 | 100 | i |
| no contam visible, so fine im almost not sure its in some areas... bit I think its 100% | 5 | 100 | i |
| no contam visible, a few myc threads climbing glass | 1 | 100 | i-ii |
| no contam visible, a few myc threads climbing glass | 2 | 100 | i-(ii) |
| no contam visible, a few myc threads climbing glass | 3 | 100 | i-(ii) |
| no contam visible, a few myc threads climbing glass | 4 | 100 | i-(ii) |
| no contam visible, one large and one small very dense area of myc. Fruiting? | 5 | 100 | i-ii-iii |
| no contam visible, myc climbing up wall | 1 | 100 | i-ii |
| no contam visible, most of base uncolonized, some small chalky white areas | 2 | 90 | i-ii |
| no contam visible | 3 | 100 | i-ii |
| no contam visible, some chalky spots | 4 | 100 | i-ii |
| no contam visible, very fine myc, except for one fuzzy spot on surface | 5 | 100 | i-ii |
| no contam visible, cottony cloud like area on surface=very dense iii | 1 | 100 | i-ii-iii |
| no contam visible, cottony cloud like area on surface=very dense iii | 2 | 100 | i-ii-iii |
| no contam visible, cottony cloud like area on surface=very dense iii, more dense areas | 3 | 100 | i-ii-iii |
| no contam visible | 4 | 100 | i-ii-iii |
| no contam visible | 5 | 100 | i-ii |
| looks like there are ribbons/ films of healthy myc, and large areas of trich. More trich than not. | 1 | 30 | iii |
| looks like there are ribbons/ films of healthy myc, and large areas of trich. More trich than not. | 2 | 30 | iii |
| ribbons' or 'skins' of myc, and fuzzy colonized areas as well. Lots of green trichoderma. | 3 | 60 | ii-iii |
| interesting: large area of ii, mostly free of trich with a distinct line/ wall of myc, then a less dense area with more trich. See photos. | 4 | 85 | i-ii-iii |
| no contams visible. Iii on top surface only | 5 | 100 | i-ii-iii |
| similar ribbons/ walls to sra, lots of green fuzzy trich | 1 | 70 | i-ii-iii |
| trich present, but seems myc has it 'corralled' and under control? Yellowish areas surrounding trich | 2 | 95 | i-ii-iii |
| half of jar=i, other half iii and very smooth against glass+ a little grey. A couple 'walled off' trich areas | 3 | 98 | iii-i |
| mostly very dense iii, and areas of i. | 4 | 100 | iii-i |
| mostly very dense iii, and areas of i, no contams visible. | 5 | 100 | iii-i |

Date: 20-Sept-2016

| notes | Jar # | % growth | density |
|--|-------|----------|----------|
| a lot of green mold growing now, and a plant germinated in the jar too | 1 | 10 | i |
| lots of green mold | 2 | 20 | i |
| green mold all over | 3 | 10 | i |
| about = mold : mycelium | 4 | 25 | i |
| healthy looking, no contams, thick fuzzy top layer | 5 | 100 | ii-iii |
| some interesting walls/ ribbons of thick myc separating substrates into sections. Seed sprouting. | 1 | 100 | i |
| mold suspected, walls/ ribbons | 2 | 100 | i |
| mold suspected on surface, rest looks great, myc on glass | 3 | 100 | i-ii |
| myc wall splitting substrate in half, mold just starting on one side, other side noticeably whiter | 4 | 40 | i-ii |
| healthy looking, no contams | 5 | 100 | i-ii |
| no contams visible, very fine throughout, trying to fruit in a few tiny spots | 1 | 100 | i |
| no contams visible, very fine throughout, trying to fruit in a few tiny spots | 2 | 100 | i |
| no contams visible, very fine throughout, trying to fruit in a few tiny spots | 3 | 100 | i |
| no contams visible, very fine throughout | 4 | 100 | i |
| no contams visible, very fine throughout | 5 | 100 | i |
| no contams visible, looking great | 1 | 100 | i-ii |
| no contams visible, mostly pretty fine i myc, a few spots of ii, lightning myc on glass | 2 | 100 | i-ii |
| no contams visible, mostly i, a few spots of ii, climbing glass | 3 | 100 | i-ii |
| no contams visible, mostly i, a few spots of ii, climbing glass | 4 | 100 | i-ii |
| no contams visible, mostly i, and a big patch of iii at top | 5 | 100 | i-ii-iii |
| no contams visible. Climbing walls | 1 | 100 | i-ii |
| mold suspect at base | 2 | 90 | i-ii |
| no contams visible, looks healthy, but a bit fine | 3 | 100 | i-ii |
| no contams visible, looks great | 4 | 100 | i-ii |
| no contams visible, looks great | 5 | 100 | i-ii |
| no contams visible, cottony cloud like balls at surface, nicely colonized w different densities throughout | 1 | 100 | i-ii-iii |
| no contams visible, cottony cloud like balls at surface, nicely colonized w different densities throughout | 2 | 100 | i-ii-iii |
| no contams visible, lots of iii areas | 3 | 100 | i-ii-iii |
| no contams visible, lots of i and iii areas, looks good | 4 | 100 | i-ii-iii |
| no contams visible, mostly ii, looks great, healthy | 5 | 100 | i-ii |
| looking bleak for this jar... dark with trichoderma, but strong ribbons of white myc still present | 1 | 10 | iii |
| looking bleak for this jar... dark with trichoderma, but strong ribbons of white myc still present | 2 | 20 | iii |
| lots of trich, but still a few clean areas... | 3 | 35 | i-ii-iii |
| iii top surface, some walls/ ribbons, some i-ii myc mixed in w trich... lots of trich | 4 | 70 | i-ii-iii |
| looks great, very dense iii at surface, finer as you go down | 5 | 100 | i-ii-iii |
| some areas taken by trich, some myc-only areas, walls 'trying to seal out' trich? | 1 | 70 | i-ii-iii |
| some trich, but concentrated in 'walled off' areas, lots of clean myc areas | 2 | 95 | i-ii-iii |
| ~70% very dense myc pressed against glass, other 30% is chalky fine myc | 3 | 98 | iii-i |
| ~80% iii, 20% i, a couple dark areas w/o myc (contams but not seeing green) | 4 | 100 | iii-i |
| ~80% iii, very similar growth pattern but no contams visible. | 5 | 100 | iii-i |

Date: 20-Sept-2016

| notes | Jar # | % growth | density |
|---|-------|----------|----------|
| 2 plants growing inside, not a lot o myc | 1 | 10 | i |
| lots of green mold | 2 | 20 | i |
| mold | 3 | 15 | i |
| mold | 4 | 20 | i |
| looks great, no contams, growing up glass | 5 | 100 | ii-iii |
| no green or blue, but suspected contam. Myc VERY fine, very dark color | 1 | 100 | i-ii |
| very fine, some areas look healthy, some moldy | 2 | 100 | i-ii |
| looks pretty good, one contam area at top | 3 | 100 | i-ii-iii |
| half paler and healthy, myc wall, other half dark and moldy | 4 | 50 | i-ii |
| healthy and white looking, no contams | 5 | 100 | i-ii |
| no contams visible, very fine throughout, fruiting in multiple spots | 1 | 100 | i |
| no contams visible, very fine throughout, fruiting in multiple spots | 2 | 100 | i |
| no contams visible, very fine throughout, fruiting in multiple spots | 3 | 100 | i |
| no contams visible, very fine throughout, fruiting in multiple spots | 4 | 100 | i |
| no contams visible, very fine throughout, fruiting in multiple spots | 5 | 100 | i |
| no contams visible, bright white myc, not that dense | 1 | 100 | i-ii-iii |
| no contams visible, bright white myc, not that dense | 2 | 100 | i-ii |
| no contams visible, bright white myc, not that dense | 3 | 100 | i-ii |
| no contams visible, bright white myc, not that dense | 4 | 100 | i-ii |
| no contams visible, mostly i, and a big patch of iii at top | 5 | 100 | i-ii-iii |
| no contams visible, still not very dense | 1 | 100 | ii-iii |
| contams suspect at base | 2 | 95 | i-ii |
| no contams visible, still not very dense | 3 | 100 | ii |
| no contams visible, still not very dense | 4 | 100 | ii |
| no contams visible, still not very dense | 5 | 100 | i-ii |
| no contams visible, big white globs/ coral like at top | 1 | 100 | i-ii-iii |
| no contams visible, big white globs/ coral like at top | 2 | 100 | i-ii-iii |
| no contams visible, more dense than 1&2, big white globs/ coral like at top | 3 | 100 | i-ii-iii |
| no contams visible, more dense than 1&2, big white globs/ coral like at top | 4 | 100 | i-ii-iii |
| no contams visible, more dense than 1&2, big white globs/ coral like at top | 5 | 100 | ii |
| very dark w mold (iii=ribbons) | 1 | 10 | iii |
| slightly more myc than 1, very green mold | 2 | 20 | iii |
| some fuzzy muc areas and ribbons too | 3 | 35 | i-ii-iii |
| some fuzzy muc areas and ribbons too | 4 | 70 | i-ii-iii |
| looks great, no contams | 5 | 100 | i-ii |
| pretty moldy but myc still 'hanging on' | 1 | 65 | ii-iii |
| moldy, but mostly ok looking myc | 2 | 90 | i-ii-iii |
| mostly myc w a couple coldy 'caves' | 3 | 100 | iii-i |
| some myc starting to look very grey... green... contam eating it? | 4 | 100 | iii-i |
| very dense iii, and some fine i. | 5 | 100 | iii-i |

| notes |
|---|
| pretty much taken over by mold, lots of black. |
| some areas of plain sd, some of myc and blackish mold |
| some areas of plain sd, some of myc and blackish mold |
| some areas of plain sd, some of myc and blackish mold |
| sd still visible and brown, but fully colonized, up jar sides too |
| cant tell between shiitake or contam myc, but jar very dark |
| ~15% w/o mold (one area) is pale, the rest dark w/ spots of green and dark |
| almost contam-free, pale and white thick iii on surface, dark circle of contam at top |
| ~ half pale, half dark w a thick 'wall' of myc between. Mold spots on dark half. |
| very blonde sd with stars of mycelium in various spots. No contams visible |
| several small pink coral like fruits, very fine myc throughout, pretty dark color throughout |
| 3 coral fruits at surface, one is pretty big, fine myc throughout, slightly paler sd than jar1 |
| 1 fruit at surface, a couple along glass, no contams visible, fine i throughout |
| i throughout, 1 small fruit at surface |
| i throughout, very fine, appears a bit drier than 1-4 |
| thick myc at surface, no sign of contams |
| pretty fine myc, a bit thicker at surface, no sign of contams |
| pretty fine myc, a bit thicker at surface, no sign of contams |
| pretty fine myc, a bit thicker at surface, a couple thick spots against glass, no sign of contams |
| very thick cottony myc at surface, fine throughout rest cept 2 spots, no sign of contams |
| ii throughout, iii at surace, and climbing glass, no contams |
| fine i throughout, some ii, 2 areas at base w no myc no contams |
| evenly ii, a couple tiny whiter areas no contams |
| evenly ii, a couple tiny whiter areasno contams |
| i throughout, surface center ii no contams |
| coral like fruits at surface, no contams |
| coral like fruits at surface, no contams |
| more iii than i or ii, no contams |
| more iii than i or ii, no contams |
| evenly ii, very fluffy looking between sd, no contams |
| still has white ribbons or myc layers, but very black w contams |
| still has white ribbons or myc layers, but very black and green w contams |
| thick ribbons, some fuzzy b/w sd particles, plenty of black and green |
| thick white surface myc, fuzz b/w sd, plenty of black and green |
| no contams, thich surface myc, finer throughout |
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