

From: [HAMILTON, Monty](#)
To: [Lloyd Knight](#)
Subject: {External}Fw: Idaho Bean Rule Quarantine
Date: Friday, May 21, 2021 8:23:31 AM
Attachments: [image003.png](#)
[image004.png](#)

The following are some of the comments we have gathered.

Thanks

MONTY

From: Gina Lohnes <glohnnes@tvseed.com>
Sent: Thursday, May 20, 2021 2:51 PM
To: HAMILTON, Monty <monty.hamilton@hmclause.com>
Subject: FW: Idaho Bean Rule Quarantine

Monty,

This is the reply from Lindsey.

I might not be able to call in tomorrow. I support continuing a 2 year quarantine for Brown Spot, Common Blight, and Halo Blight. Also, moving the Anthracnose and Bacterial Wilt to 5 years. The 2 years has worked well for our industry and I do not support harsher restrictions of crop rotations for Idaho growers. If companies want to make stricter restriction of 5 year blanket on all disease, that could be your choice.

Thank you,

Gina Lohnes

Seed Manager

Trinidad Benham Corporation/Treasure Valley Seed

208-490-6278 cell



From: du Toit, Lindsey J <dutoit@wsu.edu>
Sent: Monday, May 17, 2021 11:57 PM
To: Gina Lohnes <glohnnes@tvseed.com>
Subject: RE: Idaho Bean Rule Quarantine

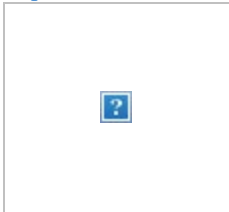
Hello Gina:

I highly recommend 5 years if any of the quarantine diseases has been detected in a field, if at

all possible. As James noted, the fungal disease is potentially a concern for longer survival in soil, but also the bacterial wilt pathogen, Cff. For the other three, at least 3 years would be important, but 5 years is probably necessary if we start seeing anthracnose and bacterial wilt showing up. I know of at least once case of bacterial wilt in Idaho recently, hence my concern about keeping this recommendation to 5 years, if possible.

All the best,
Lindsey

Lindsey J. du Toit
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http://www.mtvernon.wsu.edu/VSP/VSP_team.htm



From: Gina Lohnes <glohn@tvseed.com>
Sent: Friday, May 14, 2021 8:22 AM
To: du Toit, Lindsey J <dutoit@wsu.edu>
Subject: Idaho Bean Rule Quarantine
Importance: High

Hello Lindsey,

For the quarantine disease in Idaho do you have any information that would help guide us on appropriate replant time restrictions? Currently we are at 2 years, but there is a suggestion that we move to 5 years. That seems excessive for some of the diseases.

Diseases of concern (quarantine):

Anthracnose- *Colletotrichum linemuthianum*
Bacterial Wilt- *Curtobacterium flaccumfaciens* pv. *Flaccumfaciens*
Brown Spot- *Pseudomonas syringae* pv. *Syringae*
Common Blight- *Xanthomonas axonopodis* pv. *Phaseoli*
Halo Blight- *Pseudomonas savastanoi* pv. *Phaseolicola*

James Woodhall shared below the idea of different time restrictions for each of these.

Thank you for any insight that you can share to guide us in a good decision.

Best regards,
Gina Lohnes

Seed Manager

Trinidad Benham Corporation/Treasure Valley Seed

208-490-6278 cell



From: Woodhall, James (jwoodhall@uidaho.edu) <jwoodhall@uidaho.edu>

Sent: Monday, April 26, 2021 9:45 AM

To: HAMILTON, Monty <monty.hamilton@hmclause.com>; Liz Vavricka <Liz.Vavricka@ISDA.IDAHO.GOV>; dutoit@wsu.edu

Cc: Gina Lohnes <glohnese@tvseed.com>

Subject: Re: Quaranteen

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Hi Monty,

I think five years is a good number, stops people doing shorter rotations and should be manageable to do. I would suspect the fungus would last a lot longer than bacterial pathogens. A quick google suggests that Colletotrichum can survive at least five years in plant material in perfect conditions and I know that genus can survive in soil for some time. Personally I would not want to recommend scheduling fields for longer than five years

I would suspect bacteria survive for less – I found a study that suggested *P. phaseolicola* and *X. phaseoli* can survive for up to 20 weeks and 11 weeks respectively when on the soil surface and less in the soil. Within the seed some *Xanthomoas* species were not recoverable after 42 months.

Would you want different rules for different species? To give you a more precise answer I would need to do a literature review when I have more time.

Cheers

James

From: "HAMILTON, Monty" <monty.hamilton@hmclause.com>

Date: Monday, April 26, 2021 at 8:40 AM

To: "Woodhall, James (jwoodhall@uidaho.edu)" <jwoodhall@uidaho.edu>, Liz Vavricka <Liz.Vavricka@ISDA.IDAHO.GOV>, Lindsey Toit <dutoit@wsu.edu>

Cc: Gina Lohnes <glohnese@tvseed.com>

Subject: Quaranteen

Good morning James, Liz, and Lindsey.

Idaho has been working on updating its current bean rules. We are working on a new definition of Idaho's destruction rule when Halo Blight, Common Blight, Brown Spot, Bacterial Wilt, and Anthracnose are discovered in a field and the field is destroyed. A year ago, at a bean rules meeting, the industry recommended a 5-year quarantine for fields found with a regulated pest. The thought process behind the 5-year quarantine was that is approximately how long some of our bean varieties can volunteer and the seeds stay viable. We assumed that if beans could volunteer there was also a high chance the volunteers could be contaminated with the regulated pest.

We are working on finalizing the new bean rules. The group working on the bean rules suggested we reach out to our pathologists with the following question. How long can a regulated pest (Halo Blight, Common Blight, Brown Spot, Bacterial Wilt, and Anthracnose) stay viable in the soil on bean seed? Idaho's current rule will require plowing of the field which would mean all the bean residue would be incorporated into the soil.

Thank you for your assistance and I look forward to your responses.

MONTY

Monty Hamilton
Area Production Manager
Twin Falls, Idaho



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