

Sean Mallet, Harmony Organic Dairy, Twin Falls, ID shares his experience with Vortex Structured Water

Video Transcript

so

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32 seconds

[Music]

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56 seconds

so yeah this will work all right okay

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1 minute, 3 seconds

all right first of all this is a day uh kind of been anticipating for quite some time

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i'm with sean mallett of organic harmony organic dairy and we're

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in southern idaho okay and it's uh we're next to some corn and

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this is a momentous day in a number of ways because they're cutting this down and it's the first growing

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fed by waters from a vortex generator from present water and this was uh

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your trailblazer uh sean and i let's talk a little bit about your dairy first of all and

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and what what's happened so to speak sure anyway yeah my name is sean malt with harmony organic dairy twin falls idaho

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um this spring we had uh the misfortune of of having some voles come in

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and inhabit our pasture here at our dairy and so i made the decision to

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plant corn so that we could uh try to eliminate those voles and then rotate a crop in order to uh get some sort of yield this year off

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of it um had you'd actually lost a crop before hadn't you with to the vols uh yeah the voles wiped

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out both of these pivots uh they took out about 300 acres of my pasture that had been in since 2006. so it's very devastating

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to us as an organic grass-based dairy because we rely heavily on those pastures thankfully i had enough on the other

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side of the farm in order to allow my cows to graze to meet the organic standards

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um so we we installed uh the vortex generator um i believe it was the end of may

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may 30th may 30th okay and actually june 2nd 3rd and 4th

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uh this this corn was planted which for this area is actually about two weeks behind

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most people plant around may 15th and what i was impressed with the most um

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uh was the the how rapid germination we got uh from the corn seed um we planted these fields like i said

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the second third and fourth well by the 9th 10th and 11th uh one week later it had popped out of the ground

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which i've never seen before there's some other factors involved with that as well we had you know good soil temperatures that sort of thing but i still

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attribute part of that success to the vortex generator and of course we had this little test we

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did right in the beginning uh with the with the voltage i don't know that anyone thinks to do voltage but it's really kind of interesting to look at that

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4 minutes, 1 second

yeah one point four one point five

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4 minutes, 5 seconds

point four five one point one two

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yeah i i try to think outside the box i wouldn't be an organic dairy farmer if i didn't think outside the box

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um and so i had my voltage meter and i thought hey let's see if this thing's generating any current or additional voltage after installing it

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because i wanted to hold you to your word uh that it's that something's happening in there and sure enough i mean there was at least a one volt

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increase um from the water coming into the vortex generator to what came out and and i was as surprised as you were

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when i saw that absolutely and that one volt increase actually meant a three-fold increase in what was coming through

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it was like .4 coming out of the of the pawn right and it went from it went 1.3 to 1.5

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and this is three times i said wow that's amazing well it is amazing so it is you know restructuring the water it's

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it's doing something very beneficial to the water that i as a lay person can't you know generally explain to people other than the fact that

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i saw it here in our corn field and just to back up because we had so much expense in in really trying to overwork this this

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soil um that i've been so careful about taking taking care of and building up the organic matter and all those sorts of

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things we we had to take care of our vole problem before we could grow another crop so we really overworked the soil

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i didn't have any more money in the budget to put into fertilizer and so after i planted the corn i i put no

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fertilizer on it whatsoever and we're still getting a great yield don't know the exact yield numbers yet

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6 minutes

but it's it's looking pretty good you know we've got some pretty good size well-developed ears

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we've got some 14-row kernel kernels in the cob and i expect it should do

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you know above average you know for what what i've gotten in the past now i know what's your original

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plan was for um for coming up and doing this and then thing turns out well it was sooner than that how did that

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work you have a general idea i mean did it come up faster than you thought or how did that work well in you know like

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i said in my opinion i've never seen corn germinate and you know be a couple of inches out of the ground in seven days and and i was very surprised when i came

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out here a week later and i saw that so that's definitely a benefit and i attribute some of that you know to the vortex generator and

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it's its ability to solubize nutrients or add energy into the soil i mean whatever it's doing it's doing

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something beneficial um so yeah i've been i've been very happy with it uh you know like i said back to the corn

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you know i'm six feet tall and i mean this corn is you know approaching you know nine to ten feet um and and that's like i said it was

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planted four months ago to the day and it was still two weeks behind what most people generally plant

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you know in this area and uh we're still it came to full maturity and uh we're getting a really good crop off of it so

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um yeah as as we continue to chop and then silent uh i i think we'll see some additional benefits hopefully out

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of the feed that we turn into milk with our cows did you do any change at all in in the amount of watering that you did

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in this one you know that's that's an interesting question um it was we actually had some

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frustrations this summer with the watering and i didn't think about it that maybe i was over watering because we're just

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you know generally when it's 100 degrees out and corn is growing you always keep water on but uh we didn't we honestly didn't have

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to this year and one of the reasons we didn't is because our pivots kept getting stuck and so that is uh definitely a sign that

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we were giving the crop more water than it needed so um we didn't back off on the water at all but we kind of paid for it

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because we didn't so all right well this is part of a learning process for sure sean i thank you this is uh

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the way we make changes is sometimes it's one person one uh maybe not one two because uh i came

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we talked and we had we but we made it happen right but uh but as more people do that um uh

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we'll be watching the results and we'll be learning more and uh i'm i'm happy to be on a farm for sure thank you so much
9:00
9 minutes
thank you adam