

Video Transcript

0:50

50 seconds

hello everyone today we've got a story to tell

0:57

57 seconds

i'm pleased to show let us talk about what this is going to be about this is going to be about

1:06

1 minute, 6 seconds

water this is going to be about farming this is going to be about regenerative

1:13

1 minute, 13 seconds

agriculture with regenerative water and the effects the power of that water

1:21

1 minute, 21 seconds

plays the role that water plays in the quality of everything that occurs

1:28

1 minute, 28 seconds

what we're going to do is i had the opportunity to meet a farmer a customer of jim brackens

1:36

1 minute, 36 seconds

the director of creative ag products who makes pacific grow oceanic hydrolysate this is one of his

1:45

1 minute, 45 seconds

customers and they grow some amazing foods they grow amazing crops

1:54

1 minute, 54 seconds

however there is a catch the crops weren't so amazing some of them and that's when we came along

2:02

2 minutes, 2 seconds

so what i'm going to do without giving away all the story here is to introduce jim

2:11

2 minutes, 11 seconds

who will introduce our guest dolores meyersdorf and from there

2:17

2 minutes, 17 seconds

we will talk directly to her as she will share some of her experiences when we put

2:24

2 minutes, 24 seconds

vortex generators on her farm

2:36

2 minutes, 36 seconds

hello this is jim bracken's uncle jimmy with uncle jimmy's garden group and i every time get a chance to talk to some

2:43

2 minutes, 43 seconds

of my customers i love it and this is my oldest and maybe my best customer because she's been doing business with

2:51

2 minutes, 51 seconds

us probably 13 of the 17 18 years we've been in business and her name is

2:59

2 minutes, 59 seconds

dolores byersville and she's been uh graciously sharing her master gardenership

3:07

3 minutes, 7 seconds

and beyond that maybe it's a doctorate garden show but uh has used our product for all these years

3:15

3 minutes, 15 seconds

and i just want to let everybody know that she is basically one of my gurus in the gardening group so

3:24

3 minutes, 24 seconds

over the course of that day we had an opportunity to get acquainted with dolores and john's situation

3:32

3 minutes, 32 seconds

the season was well underway and they had already noticed a difference in the quality

3:38

3 minutes, 38 seconds

of their crops between the acreage that was covered by the

3:46

3 minutes, 46 seconds

yakima river versus that which was covered by the the well and

3:53

3 minutes, 53 seconds

this became a perfect opportunity to see to what extent would

4:01

4 minutes, 1 second

vortexing let's say mitigate affect what kind of change might occur

4:09

4 minutes, 9 seconds

is the season gone is what they are experiencing or were experiencing the best that they could actually

4:16

4 minutes, 16 seconds

um uh anticipate she said she expressed to me first of all

4:23

4 minutes, 23 seconds

the cattle's water and i'm not sure if that came from the well or from the yakima river was always murky it's always cloudy

4:32

4 minutes, 32 seconds

the composting was always she knew what it should be doing

4:39

4 minutes, 39 seconds

it was slower it was difficult for the composting process to actually occur

4:46

4 minutes, 46 seconds

uh turns out that the the ground was hard and compacted there are a number of different things that

4:53

4 minutes, 53 seconds

were going on so plenty of places to see whether there would be a change

5:01

5 minutes, 1 second

what kind of change there would be so the decision was made to install a four inch unit on for the farm

5:09

5 minutes, 9 seconds

to handle the yakima river water and she also made the decision to put one on their home

5:17

5 minutes, 17 seconds

that would also produce some oh don't let me talk don't let me preview things

5:23

5 minutes, 23 seconds

that's what happened yeah now we've got some actual results

5:31

5 minutes, 31 seconds

here goes so let's talk about a little bit about

5:40

5 minutes, 40 seconds

first of all what do you grow and and because we know you're natural as well so right there so we grow a little of

5:46

5 minutes, 46 seconds

everything fruit trees grapes you know berries uh two greenhouses so a little of everything

5:56

5 minutes, 56 seconds

and then of course we have the pasture where we have the cows and the alfalfa is underneath that program but we want to get you know the

6:04

6 minutes, 4 seconds

movable one on that but we did put the fertilizers on with the vortex water

6:12

6 minutes, 12 seconds

and we did see an improvement in that alfalfa right away so we did the vortex water with the fish and the calcium and
6:20
6 minutes, 20 seconds
so i'm just seeing such a difference in the weed pressure
6:28
6 minutes, 28 seconds
because this year was horrible the water grass coming out of the river we are one of the first right here so
6:35
6 minutes, 35 seconds
everything goes uphill from us so what do we get all the weed seeds everything that comes out of that river is
6:42
6 minutes, 42 seconds
right here and this year was horrible it was just unbelievable the growth of especially the water grass and
6:51
6 minutes, 51 seconds
the inability to dig them out they're just solid and within
6:59
6 minutes, 59 seconds
two days of changing the water the texture of the soil was softer and you could just
7:06
7 minutes, 6 seconds
gently pull out those roots that was amazing and the weeds that regrew after that seemed very very weak and wimpy
7:15
7 minutes, 15 seconds
so there was a total change the strawberry bed i kept fighting calcium issues and with the brown edges around the leaves
7:24
7 minutes, 24 seconds
and now they're perfect so we're assimilating that calcium and getting those berries healthy i mean the berries were
7:31
7 minutes, 31 seconds
still good but i just fighting that brown on the edge of the leaves now they're perfect they are
7:40
7 minutes, 40 seconds
healthy they're standing up they're green they're glossy amazing and after we did the pasture
7:49
7 minutes, 49 seconds
probably a week or so i looked out there and i thought man it looks so even
7:56
7 minutes, 56 seconds
you just didn't see any brown areas or anything that looked off it just looked manicured and that's quite interesting
8:05
8 minutes, 5 seconds
because you've got more cows we should have out there and some days some areas don't look as good
8:13
8 minutes, 13 seconds
as they could we've used less water we are
8:19
8 minutes, 19 seconds
seeing good production the bean plants that were outside were getting damage on the leaves i had brown
8:27
8 minutes, 27 seconds
leaves on these plants and couldn't figure out i had a suspicion it was the water that there was something in there that was damaging the
leaves
8:36
8 minutes, 36 seconds
and within days of putting the vortex machine on the irrigation water we had fresh green leaves and the plants were growing vigorously oh
my goodness
8:46
8 minutes, 46 seconds
so we just see little things happening in different places soil texture is softening up so that you can
8:54
8 minutes, 54 seconds
actually you know get things going in and out like they should be and i just you know you just see
9:03
9 minutes, 3 seconds
everything healthier yeah and it's interesting how progressive it is i know when we first came out um

9:12

9 minutes, 12 seconds

the murkiness of the troughs oh they were disgusting yeah in

9:18

9 minutes, 18 seconds

two hours there was so much algae and it looked like sewer water it was brown and and it just had all this stuff in it and

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9 minutes, 28 seconds

using the vortex water i took a picture of the first day that we did it we had to scrub the tanks really well to get

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9 minutes, 35 seconds

these stuff out of the pores of the plastic and i took a picture the first day i took a picture on the fifth day and

9:43

9 minutes, 43 seconds

you could tell no difference in fact the picture looks kind of weird because it looks exactly the same and two weeks later was exactly the same

9:52

9 minutes, 52 seconds

there was no growth of algae or anything of this sort so the tanks the water tanks for all the animals are

10:00

10 minutes

in good shape and it stays nice crystal clear it looks really good you're not scrubbing tanks every day and cloroxing

10:07

10 minutes, 7 seconds

everything and spending a lot of time trying to get the algae off of it and the smell oh my goodness smell like sewer water all the time you go past

10:16

10 minutes, 16 seconds

tango ugh you know now i hadn't noticed that when i was here so that was part of the experience before that

10:24

10 minutes, 24 seconds

yes yeah and you know it's like what are you supposed to do for eight acres yeah so this took care of the problem

10:32

10 minutes, 32 seconds

and the plants and animals are going to be healthier as time goes on because of having clean water i'm just excited as i'll get up for next year yeah

10:41

10 minutes, 41 seconds

yeah and that was a thing too because we got here after the season had started so you had already seen some degradation yes in the quality in

10:49

10 minutes, 49 seconds

spite of using everything that i do yeah all the things you do well this was the thing that i do my soil tests i do beneficial

10:57

10 minutes, 57 seconds

microbes i do all these things why am i getting this black scummy stuff on the top of the soil in the greenhouse

11:05

11 minutes, 5 seconds

i knew that there was an issue it just like i hadn't done anything and you go in and rototill and you have this

11:13

11 minutes, 13 seconds

gumminess that i should not have and i i knew from times previous that when the irrigation water went off and we went back to house water that it improved

11:21

11 minutes, 21 seconds

so i knew it was the irrigation water but when you have an eight acre farm it's not like you can run house water on all of it

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11 minutes, 29 seconds

and of course that puts pressure on her well too but this took care of it in about

11:36

11 minutes, 36 seconds

36 to 48 hours we saw the difference and things started turning around so now areas that were

11:44

11 minutes, 44 seconds

heavily compacted before i've gone out and tilled with the tractor and the soil is fine granules and and

11:52

11 minutes, 52 seconds

looking very very nice so i'm so excited for next spring because i love growing potatoes i grow six varieties and they do well

12:01

12 minutes, 1 second

in good soil it's telling us first of all that natural inputs and unnatural water

12:07

12 minutes, 7 seconds

don't get you natural results okay no optimal results exactly

12:14

12 minutes, 14 seconds

that that is well also you think about your septic tank when you have contaminated water going

12:22

12 minutes, 22 seconds

into your septic tank you're not getting the microbial breakdown the septic tank that you want to have

12:28

12 minutes, 28 seconds

and there's just so many issues on so many levels when the water has contaminants

12:36

12 minutes, 36 seconds

that you don't even think about to say nothing of things like filters and hot water heaters and your clothes

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12 minutes, 45 seconds

getting your clothes white again without you know 10 tons of bleach is fantastic because i don't like to use a lot of bleach

12:53

12 minutes, 53 seconds

i use very very little and seeing things cleaner whiter softer yeah you were talking about a towel that had been

13:02

13 minutes, 2 seconds

stiff for quite some time and now all of a sudden it's soft yeah it was a large

13:09

13 minutes, 9 seconds

washcloth and it was really thick and heavy and for whatever reason you know i don't know if jen john had oil some kind of oils on his hands

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13 minutes, 18 seconds

when he used it but it was just nasty and i soaked it in clorox water all day

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13 minutes, 25 seconds

i used hydrogen peroxide and i couldn't get the dinginess out of it to you know where i thought it was looking nice

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13 minutes, 33 seconds

and and the stiffness i'm going how can you wash and dry it and it's stiff and it took a few washings probably

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13 minutes, 41 seconds

washed it you know three times and finally it's soft and white and so there was something in there that

13:49

13 minutes, 49 seconds

you know the detergents weren't breaking down the regular water wasn't breaking down and now it is so it's going to get better as time goes on

13:56

13 minutes, 56 seconds

you know your toilets look cleaner uh only takes a second to you know wash down a toilet

14:04

14 minutes, 4 seconds

there's just so many one person said don't have the water spots on my faucets in the kitchen

14:12

14 minutes, 12 seconds

you know all kinds of little things that you never think about that are an improvement and showing that the water does work all right now this is the other thing

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14 minutes, 20 seconds

you put one on your house too yes and within a few days you had a an event

14:30

14 minutes, 30 seconds

well i was totally horrified when it started working because the animal tanks were disgusting

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14 minutes, 39 seconds

and i never thought about a buildup on pvc pipe because we had heavy wall pvc pipe you really don't think that

14:47

14 minutes, 47 seconds

it has a build up like metal and out of sight kind of out of mind oh my goodness these tanks were awful i was scrubbing them every day

14:55

14 minutes, 55 seconds

but on the third day i went out and the water was so pristine and so clear that it actually sparkled

15:02

15 minutes, 2 seconds

and then i realized we have probably a couple thousand feet of underground pipes you know for the irrigation all

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15 minutes, 11 seconds

the animals all the tanks that are on on the farm there's quite a a long run we have i don't know a dozen

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15 minutes, 20 seconds

uh frost free faucets around the farm we have them in the greenhouse we you know everywhere so that's all house water so

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15 minutes, 28 seconds

you just don't think about how many feet that you have to clean out when it starts cleaning out

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15 minutes, 35 seconds

but by the third day everything was beautiful so that was a real eye-opener that we are eating drinking and bathing

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15 minutes, 43 seconds

in yucky looking water so you can understand why you get a dinginess to your clothes because you're really not having really clean water
a

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15 minutes, 53 seconds

persistent dinginess so to speak yes you know and then you you'll it'll be normal to try to use the chemicals and everything else to get

16:01

16 minutes, 1 second

rid of it but the s the unseen yeah and the pipes are continuing to influence all of that how can you get it

16:09

16 minutes, 9 seconds

clean if you're using dirty water and you're just putting back on the clothes the same thing that you're trying to wash out and essentially the water that's

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16 minutes, 17 seconds

actually making it through the pipes is going through and around that gunk in order to do so so to have uh the water itself

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16 minutes, 26 seconds

be energized ionized in whatever form you want to say enough to now actually pick all that stuff up

16:34

16 minutes, 34 seconds

dissipate it all and actually clear the pipes is uh just a fundamental thing that it does it was great

16:42

16 minutes, 42 seconds

no it's been fun to see all the different changes and as time goes on i'm sure that we're going to see other

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16 minutes, 49 seconds

things happen just the laundry is a big thing that every time you're washing your clothes they're getting better

16:57

16 minutes, 57 seconds

and not wearing out because all these things that are in the pipes of course are affecting the fibers in your clothes

17:05

17 minutes, 5 seconds

and you know people talk about gym clothes never getting the smell out of them i i don't have that issue here but i can suspect

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17 minutes, 13 seconds

that you're going to get rid of that gym smell a whole lot better than you do with town water with the chlorine and everything else that

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17 minutes, 20 seconds

they've got in there because people in town were talking about it and going i can't get through the stink so it's going to make a big difference

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17 minutes, 28 seconds

now the one thing we got right into conversation but to talk about the fundamental differences from your water sources you

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17 minutes, 36 seconds

have a well and you have the water from the yakima river and this is a very large one

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17 minutes, 44 seconds

farming area region and secondly much of the farming is conventional

17:51

17 minutes, 51 seconds

yes meaning uh chemical based inorganic based materials which often

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17 minutes, 57 seconds

most of most often in fact customarily run off from those farms and go into the river and that absolutely so essentially

18:06

18 minutes, 6 seconds

that's why your natural inputs that you're using your fish your c crops and other things that you're using

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18 minutes, 15 seconds

is still being fed was should i say being fed by this chemically influenced and contained

18:24

18 minutes, 24 seconds

water source from the yakima river right and we know uh in years past that there have been sewage problems

18:31

18 minutes, 31 seconds

upstream from us where things have failed and this happens from time to time they don't always notify you that so you're dealing with some raw sewage

18:40

18 minutes, 40 seconds

also so this way you have control of your water source by cleaning it up because the yakima can

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18 minutes, 48 seconds

be very very nasty they don't recommend you eat fish out of it i recommend you swim out yeah they said

18:57

18 minutes, 57 seconds

well maybe you could eat two or three fish a year out of the yakima so and and we're you know at the low stage of it you have to think about how

19:06

19 minutes, 6 seconds

far upstream that river comes how many towns it comes through how much contamination it can pick up and it

19:14

19 minutes, 14 seconds

runs along the freeway for many many miles there coming out of yakima it's right there on the side of the road so you have pollutants from the cars the

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19 minutes, 22 seconds

things going by spraying of the weeds on the sides of the road they spray for mosquitoes on the yakima

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19 minutes, 30 seconds

so there's tremendous amount of contaminants and we can sanitize all this get rid of all this that

19:37

19 minutes, 37 seconds

that's huge yeah yeah a few uh well a couple

19:43

19 minutes, 43 seconds

a week or so ago i was in michigan and i sat by the flint river which has become famous for other reasons

19:52

19 minutes, 52 seconds

or infamous you might say infamous yes and uh and yet the issues that that are dealing people in flint are dealing with are not

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19 minutes, 59 seconds

that different from here in uh in the yakima valley when you really get down to it the names of the materials may be

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20 minutes, 7 seconds

different but the the overall effects are the same and and i said in my video there just

20:15

20 minutes, 15 seconds
doing my commentary i'm sitting there on the campus of of a esteemed uh college or university of
20:24
20 minutes, 24 seconds
higher learning and i said you know you know one regard how good and what use are these schools of higher learning if they're not
teaching us how
20:33
20 minutes, 33 seconds
to heal and these rivers how to change these things okay we we as a society have the knowledge
20:41
20 minutes, 41 seconds
uh and have the ability to to not cause these problems not perpetuate these problems right we do have it
20:48
20 minutes, 48 seconds
the issue now is is using it and as it turns out uh water's proclivity
20:56
20 minutes, 56 seconds
to maintain an imprint of any and everything that's been put into it until certain circumstances come about
21:04
21 minutes, 4 seconds
to release it is part of our our problem one thing we saw when you install the uh four inch unit we saw a
21:13
21 minutes, 13 seconds
uh this pink film on the inside of the pipe and of course you saw a lot of uh
21:22
21 minutes, 22 seconds
stuff you know right in the in the tanks but one of the things that we're seeing is that
21:28
21 minutes, 28 seconds
knowing that a vortex event or vortex phenomena erases essentially the impression the imprints of the water
21:36
21 minutes, 36 seconds
of where the water's been it clears it just in the same way that you can clear a flash memory or hard drive
21:44
21 minutes, 44 seconds
and it gives you this is a phenomena that does that uh it's not something we can do otherwise but it gives you an ability and gives
21:53
21 minutes, 53 seconds
the water ability to now take on and do new things which you are seeing happen
21:59
21 minutes, 59 seconds
now every day absolutely that red film i don't know whether that's a bacteria
22:08
22 minutes, 8 seconds
or a fungus because you know they have the red tide over there on the ocean but when you see that color it's usually
22:17
22 minutes, 17 seconds
not good so it's and and this is what you get out of contaminated water so making sure we don't have that is a
22:26
22 minutes, 26 seconds
big item it's going to be so much more beneficial for our animals i notice with the milk that the milk is lasting
22:34
22 minutes, 34 seconds
longer in the refrigerator so you keep seeing little things um where everything is getting a little bit better
22:42
22 minutes, 42 seconds
and it's been a relatively short time yes yeah a month six weeks at the most here and so it's going to be really fun to see
22:50
22 minutes, 50 seconds
a year from now the kind of things that we're going to see having the greenhouses
22:57
22 minutes, 57 seconds
and being able to start things early seeing how the plants react with getting really
23:05
23 minutes, 5 seconds
healthy water having more frost resistance and and just getting the benefits of the things i have been doing already

23:13

23 minutes, 13 seconds

like the beneficial microbes and things of this sort instead of killing them all off because of the contaminants because that's what's been happening it's

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23 minutes, 20 seconds

like a waste of money for me to do that because it's killing it off as fast as i use them i think the

23:27

23 minutes, 27 seconds

other thing for anyone and what makes so much of this importance all the things that you do for

23:35

23 minutes, 35 seconds

your your soil and for your plants is so that your crops whatever it is that you're growing

23:41

23 minutes, 41 seconds

actually has nutrients that can be given to whether it's a plant whether it's a person or an animal that's consuming it that they actually are

23:50

23 minutes, 50 seconds

nourishing and the root system because we know when we have contaminants in the soil that your root system is really limited

23:58

23 minutes, 58 seconds

you don't have all those fine hairs absorbing the nutrients because you have that burning of the roots and you can look at those

24:07

24 minutes, 7 seconds

and you kind of have white chunks rather than nice fine little root systems and i believe that that's a big factor in some of these plants too where

24:16

24 minutes, 16 seconds

you're just not getting the extensive root system you need to produce well yeah when i was in indianapolis

24:25

24 minutes, 25 seconds

the greenhouse grower pulled out of of some pansies

24:32

24 minutes, 32 seconds

that was in a pot but he pulled it out to show me the roots and just how rich and thick and everything i just

24:40

24 minutes, 40 seconds

full of roots you know so yeah and especially with hydroponics i've seen some absolutely gross roots in hydroponics

24:48

24 minutes, 48 seconds

because their water supply and they're over fertilizing and instead of having these fine root systems they have something about the size your

24:57

24 minutes, 57 seconds

finger that's white and ugly it is not absorbing nutrients they've fried it and so if you could have a healthy root

25:05

25 minutes, 5 seconds

system where it's picking up the nutrients you have then you're going to have a healthy plant but if you've got toxins that are burning off the root hairs

25:13

25 minutes, 13 seconds

then you're never going to get the production that you want wow we're talking with dolores meyer's door of benton city

25:22

25 minutes, 22 seconds

washington who was had two water sources one from the yakima river one from her

25:30

25 minutes, 30 seconds

well on her farm two different outcomes of quality of output but improvements in putting two units on

25:39

25 minutes, 39 seconds

one on the farm and one on the home we've seen improvements actually from both water sources after i saw what happened on the farm

25:47

25 minutes, 47 seconds

there was no way we weren't going to put it on the house you were not leaving the property without that water

25:54

25 minutes, 54 seconds

machine being installed i know houston also said i want the water i want it for the house okay all right
26:02
26 minutes, 2 seconds
no that that was such a huge improvement that i knew we needed to do it on the house water and
26:10
26 minutes, 10 seconds
i i didn't know i had no clue that there was that much junk running in the house water because our well has always been pretty good
26:18
26 minutes, 18 seconds
but i do i have noticed it just seems like we've had deterioration the last few years you know last two or three years
26:25
26 minutes, 25 seconds
of the water quality in our well and of course you figure out how many farms
26:32
26 minutes, 32 seconds
are putting contaminants on the soil which is going into our groundwater we don't have complete control of our groundwater
26:40
26 minutes, 40 seconds
so as time goes on it's filtering down into that water system so it was amazing
26:47
26 minutes, 47 seconds
it's been a fantastic thing to see how pure the water can be well i certainly want to thank you for taking the leap
26:55
26 minutes, 55 seconds
because this is going to be a progressive journey there's going to be more things to discover as we were talking earlier and i said there are
no experts in this area
27:04
27 minutes, 4 seconds
i'm certainly not one we just have had more experience than the average individual and we've had enough experience to see
27:13
27 minutes, 13 seconds
this is a major natural asset that we typically we as a collective as a society are
27:22
27 minutes, 22 seconds
generally not aware of and certainly not using and i see this as a way that we can give nature the last word for a
27:31
27 minutes, 31 seconds
multitude you could say since that we are doing to ourselves knowingly or unknowingly we don't have
27:39
27 minutes, 39 seconds
to pay the price of our prior ignorance so to speak absolutely okay absolutely so uh with
27:47
27 minutes, 47 seconds
this i know we could talk for a long time but this is just beautiful i appreciate it and we look forward to much more growth and
27:57
27 minutes, 57 seconds
much more learning and and sharing what we've learned because this is this is how we help other people to see
28:03
28 minutes, 3 seconds
to be willing to put their foot or put their toes in the water themselves absolutely when you see what improvements we have
28:12
28 minutes, 12 seconds
for next spring absolutely thank you so
28:18
28 minutes, 18 seconds
[Music]
28:27
28 minutes, 27 seconds
so what are our takeaways from this experience first of all and just to recap
28:36
28 minutes, 36 seconds
we have a farmer that is using all natural inputs
28:43
28 minutes, 43 seconds
on their farm with two sources of water one from the river
28:50

28 minutes, 50 seconds
yakima river one from their well different quality of output from both
28:59
28 minutes, 59 seconds
sources the well water sourced was much better than from the river
29:07
29 minutes, 7 seconds
farming in that region is mostly conventional meaning highly
29:15
29 minutes, 15 seconds
chemicalized so degradation and quality in spite of having
29:23
29 minutes, 23 seconds
natural inputs no chemicals whatsoever no chemicals if the farmer is not putting chemicals on
29:30
29 minutes, 30 seconds
but the water has it in it then you got chemicals on your farm
29:36
29 minutes, 36 seconds
that is what dolores and john were experiencing prior to putting on
29:44
29 minutes, 44 seconds
a vortex generator from president water on the farm to handle the river water but also on
29:52
29 minutes, 52 seconds
the house which handled the well water it turned out that adding vortex generators on those lines improved
30:00
30 minutes
both sources the river water which had this pink film
30:08
30 minutes, 8 seconds
on the inside of the pipe became a totally different substance the murkiness in their cr
30:17
30 minutes, 17 seconds
[Music]
30:19
30 minutes, 19 seconds
the murkiness in their troughs where their cows drink clarified totally clear
30:28
30 minutes, 28 seconds
the uh composting operation which was always real it was it was frustrating
30:36
30 minutes, 36 seconds
because it was never happening why the water was really inhibiting microbial activity
30:44
30 minutes, 44 seconds
it normalized after putting the vortex generator on the line
30:51
30 minutes, 51 seconds
what is this telling us i mean what what is actual experience
30:58
30 minutes, 58 seconds
telling us that scientists would probably say is impossible
31:07
31 minutes, 7 seconds
it's telling us that a vortexing a a an effective vortex generator put on a water line
31:15
31 minutes, 15 seconds
will literally mitigate the ill effects of the chemicals that are still
31:22
31 minutes, 22 seconds
in that water because it's what our chemicals are are simply what chemicals are are
31:28
31 minutes, 28 seconds
assemblages of molecules and compounds and elements they are elements that have been put together in
31:37

31 minutes, 37 seconds
a certain way and what experience is telling us what the
31:43
31 minutes, 43 seconds
evidence is suggesting here real clearly is that the vortex phenomenon which is
31:50
31 minutes, 50 seconds
an act of nature put in a place to interact with the water
31:57
31 minutes, 57 seconds
it's a natural phenomenon but what it is indicating is that the forces that are
32:04
32 minutes, 4 seconds
brought to bear in that vortex event can in fact disassemble
32:11
32 minutes, 11 seconds
strip electrons change the chemical nature and the behavior
32:18
32 minutes, 18 seconds
of that water source water that's murky in the
32:25
32 minutes, 25 seconds
in exposed to a vortex event becomes clear the elements
32:32
32 minutes, 32 seconds
ah even the behavior of the water becomes very very different evaporation rates change
32:39
32 minutes, 39 seconds
surface tension changes permeability drastically changes
32:47
32 minutes, 47 seconds
dolores indicated that she started seeing an evening out
32:54
32 minutes, 54 seconds
over her crops where there had been uneven distribution and dispersion uneven
33:00
33 minutes
um infiltration of the water into the soils the compacted soils
33:07
33 minutes, 7 seconds
that had these big uh weeds on them that were hard to get out all sudden became
33:14
33 minutes, 14 seconds
in a very short period of time became permeable and the weeds and why would
33:21
33 minutes, 21 seconds
with the weeds now become wimpy because there's more oxygen available now there's more activity happening in there
33:30
33 minutes, 30 seconds
and so that actually impacted the the weeds too or what were called weeds they're just plants that still grew
33:38
33 minutes, 38 seconds
in the environment that it was in when you have compacted soil you're going to have less
33:46
33 minutes, 46 seconds
available oxygen for example and other minerals when you now get all of that uh
33:53
33 minutes, 53 seconds
compaction mitigated it's a different environment down there you get different results
34:01
34 minutes, 1 second
so this is what is exciting about putting a vortex
34:08
34 minutes, 8 seconds
generator on because so many people are thinking there's nothing we can do and maybe in one regard we can't do it
34:17

34 minutes, 17 seconds

it is the vortex and it you could say it's a vortex effectively

34:25

34 minutes, 25 seconds

created if you will effectively facilitated in this case by president

34:34

34 minutes, 34 seconds

water anyway for more information and to discuss how adding a vortex

34:42

34 minutes, 42 seconds

generators to your water lines for your application can help you

34:49

34 minutes, 49 seconds

give us a call a toll-free number or visit us at presidentwater.com

34:56

34 minutes, 56 seconds

or you have a toll-free number 888-777-6045 anyway thanks a lot take care

35:09

35 minutes, 9 seconds

[Music]

35:14

35 minutes, 14 seconds

peace

35:20

35 minutes, 20 seconds

[Music]

35:30

35 minutes, 30 seconds

[Music]

35:39

35 minutes, 39 seconds

you