

Title

Sustainable Production of “HAM” ***Elena Chatrchyan and Seth Chrisman***

Message

Sustainable Production of “HAM” is not actually about sustainable pork or ham production. Instead, it discusses the 10 practices for sustainable agriculture, what happens when we aren't sustainable, and the Brundtland Report's definition of sustainable agriculture, all to the tune of Hamilton's *The World Was Wide Enough*.

Lyrics/ Transcript

Seth- red, Elena- blue, Both- purple

One-two-three-four-five-six-seven-eight-nine
There are ten things you need to know (number one!)
Diversity of Marketing improves
Financial sustainability for farmers (number two!)
Community Vitality is key
To quality of life and a strong economy (number three!)
Eco-logical pest management avoids
Single bullet solutions where beneficals are destroyed
Pesticides poison our water and our soil
Many little hammers are worth the toil (number four!)
Grazing systems have benefits
Providing, quality forage for animals that need it
They help distribute nutrients in their droppings
Which helps reduce the need for fertilizer in their farming (five!)
Now I wish more farmers realized
That conservation tillage improves soil health in time (six!)
Cover crops like rye, vetch, or clover
Control erosion while suppressing pests over acres (seven!)
Diversity! Heres what we got
Raise a greater variety of crops and livestock (number eight!)
Nutrient management is great
Build up your soil and increase potash and nitrates
They won't teach you this in Plant Sciences
But look it up, human poop is added to soils
Why? Demand for fertilizer's high!
It's night soil, and it's nutritious when applied
To you it may seem like it puts us in danger
But it's important for areas with lack of fertilizer (number nine!)
On-Farm energy conservation
Utilize these all in combination

Then count (one-two-three-four-five-six-seven-eight-nine, number-ten Whole-Farm Approach)

*We need to use these practices for sustainability
If we don't our world will suffer generations ahead of me
I see it coming but no one seems to be doing anything
There is no hope, nothing hap'ning
Ag, innovation turned corporation
With little regard for regulation
If we don't change this now, is this how you'll remember me?
What if degradation is our legacy?
Legacy, what is a legacy?
It's planting seeds in a garden you never get to see
"The ability to meet the needs of the present without compromising the ability
Of future generations to meet their needs" is sustainability
We need to make a difference, so our posterity, the unspoken
Can leave their fingerprints and grow up
We're running out of time, it's burning and our time's up
Wise up, eyes up
I know we can still change our history
By managing our farmlands sustainably
Raising livestock sustainably
Managing agronomy sustainably
Adopting ag systems sustainably
Teaching farming differently
Rising oceans, rising temperature!
Please don't take your time
We've reached Earth's deadline
Change your ways for our sake
We need to act right now; don't wait!
"I converted to no-till farming"
"My cover crops have helped increase my yields."
"I use precision agriculture."
"I'm composting."
There's hope for our world yet
Changing our farming mindset
Sustainable ag is the answer
Practicing good agriculture
The world's changing rapidly
But better practices can help, making our climate habitable
History's our legacy, our children will thank
Us for this world where we live
When you decided to farm sustainably
You helped write our legacy
Our future's secure on Earth*

*We survived and we learned from it
Now teach your practices to farmers
So others may learn to see*

We can grow

*We can grow our world sustainably for both you and me
Our World sustainably for our posterity*