

UFO HUB



1
00:00:14,390 --> 00:00:12,150
so uh yeah ginger is right i work with

2
00:00:16,870 --> 00:00:14,400
gmo free midwest if you've seen we've

3
00:00:18,710 --> 00:00:16,880
gotten a lot of media of with the march

4
00:00:19,510 --> 00:00:18,720
against monsanto

5
00:00:25,830 --> 00:00:19,520
uh

6
00:00:28,470 --> 00:00:25,840
and i mean i'm sorry um

7
00:00:30,550 --> 00:00:28,480
the last one was last september and

8
00:00:32,310 --> 00:00:30,560
we're gonna do another one in may

9
00:00:35,350 --> 00:00:32,320
and um

10
00:00:37,270 --> 00:00:35,360
may 24th i think that is i'll check the

11
00:00:38,950 --> 00:00:37,280
date on that that's the end of may and

12
00:00:40,709 --> 00:00:38,960
that's attracted a lot of people and

13
00:00:43,190 --> 00:00:40,719

we've got a lot of press and a lot of

14
00:00:45,110 --> 00:00:43,200
people uh hundreds we've had hundreds of

15
00:00:47,029 --> 00:00:45,120
people show and that's at monsanto's

16
00:00:49,510 --> 00:00:47,039
world headquarters

17
00:00:50,389 --> 00:00:49,520
i have

18
00:00:52,470 --> 00:00:50,399
these

19
00:00:54,709 --> 00:00:52,480
sheets here have our website and our

20
00:00:56,389 --> 00:00:54,719
facebook page

21
00:00:58,069 --> 00:00:56,399
i don't have a whole lot of them but

22
00:01:00,950 --> 00:00:58,079
that's where you can keep up with events

23
00:01:01,750 --> 00:01:00,960
like that and events that we're doing

24
00:01:03,349 --> 00:01:01,760
so

25
00:01:04,390 --> 00:01:03,359
gmos it's

26

00:01:07,350 --> 00:01:04,400

some people

27

00:01:09,350 --> 00:01:07,360

say that's like a um a very complex

28

00:01:12,390 --> 00:01:09,360

topic which is not really true it's a

29

00:01:14,870 --> 00:01:12,400

very broad topic and it touches

30

00:01:17,030 --> 00:01:14,880

economics politics

31

00:01:18,710 --> 00:01:17,040

international trade international

32

00:01:20,149 --> 00:01:18,720

election

33

00:01:21,429 --> 00:01:20,159

international

34

00:01:22,950 --> 00:01:21,439

relations

35

00:01:26,950 --> 00:01:22,960

it affects

36

00:01:28,469 --> 00:01:26,960

environment

37

00:01:30,149 --> 00:01:28,479

all of these things

38

00:01:31,749 --> 00:01:30,159

i'm going to try to touch a little bit

39

00:01:32,950 --> 00:01:31,759

on each of those things so we're going

40

00:01:35,590 --> 00:01:32,960

to

41

00:01:37,429 --> 00:01:35,600

have a you know a real broad look at

42

00:01:39,109 --> 00:01:37,439

gmos

43

00:01:41,670 --> 00:01:39,119

save your questions to the end i would

44

00:01:44,310 --> 00:01:41,680

ask though if if you're really unclear

45

00:01:46,069 --> 00:01:44,320

about what i'm saying or feel like you

46

00:01:48,389 --> 00:01:46,079

don't understand feel free to ask you

47

00:01:51,030 --> 00:01:48,399

know stop me and ask for clarification

48

00:01:53,590 --> 00:01:51,040

i'll do my best

49

00:01:55,990 --> 00:01:53,600

so really to look at gmos you want to

50

00:01:58,310 --> 00:01:56,000

look at monsanto

51
00:01:59,670 --> 00:01:58,320
there are other companies that

52
00:02:02,789 --> 00:01:59,680
market

53
00:02:05,910 --> 00:02:02,799
and distribute and develop gmos

54
00:02:07,830 --> 00:02:05,920
bear syngenta dow chemical and there's a

55
00:02:10,630 --> 00:02:07,840
couple others but you really need to

56
00:02:12,470 --> 00:02:10,640
look at monsanto because i believe

57
00:02:14,309 --> 00:02:12,480
and i'm not a facts and figures kind of

58
00:02:15,750 --> 00:02:14,319
guy but it's something like

59
00:02:19,030 --> 00:02:15,760
90

60
00:02:21,110 --> 00:02:19,040
gmo seeds and that's mostly what's

61
00:02:23,830 --> 00:02:21,120
is affected when we talk about gmos

62
00:02:25,589 --> 00:02:23,840
genetically modified organisms

63
00:02:27,270 --> 00:02:25,599

are sold

64

00:02:29,350 --> 00:02:27,280

by monsano

65

00:02:32,390 --> 00:02:29,360

there's a lot of

66

00:02:33,509 --> 00:02:32,400

scientific medical research

67

00:02:35,990 --> 00:02:33,519

being done

68

00:02:37,830 --> 00:02:36,000

with the genetically modified animals

69

00:02:39,430 --> 00:02:37,840

and stuff i'm not really going to be

70

00:02:41,430 --> 00:02:39,440

talking about that tonight that's a

71

00:02:43,750 --> 00:02:41,440

whole nother thing we're going to be

72

00:02:45,350 --> 00:02:43,760

sticking to the agricultural part of it

73

00:02:48,190 --> 00:02:45,360

tonight

74

00:02:51,190 --> 00:02:48,200

and that brings us right to Monsanto

75

00:02:53,670 --> 00:02:51,200

Monsanto um which started out as a

76
00:02:55,430 --> 00:02:53,680
chemical country at the beginning of the

77
00:02:56,470 --> 00:02:55,440
uh 20th century

78
00:03:00,630 --> 00:02:56,480
uh

79
00:03:03,110 --> 00:03:00,640
is most famous for a long line of dirty

80
00:03:07,670 --> 00:03:03,120
hazardous products including but not

81
00:03:11,030 --> 00:03:07,680
limited to dioxins ddt agent orange

82
00:03:13,910 --> 00:03:11,040
aspartame uh pcbs and we'll get back to

83
00:03:15,990 --> 00:03:13,920
them roundup um

84
00:03:18,149 --> 00:03:16,000
so they've been at this a long time they

85
00:03:19,110 --> 00:03:18,159
started out make with a lot of military

86
00:03:25,670 --> 00:03:19,120
con

87
00:03:27,509 --> 00:03:25,680
chemicals for weapons among other things

88
00:03:29,190 --> 00:03:27,519

but we're going to talk about the legacy

89

00:03:31,509 --> 00:03:29,200

of their pcbs

90

00:03:34,550 --> 00:03:31,519

pcbs were actually

91

00:03:36,869 --> 00:03:34,560

invented by swan chemical in the 20s

92

00:03:39,509 --> 00:03:36,879

monsanto bought swan chemical and i

93

00:03:41,830 --> 00:03:39,519

might note that monsanto talks like

94

00:03:44,070 --> 00:03:41,840

we've brought these wonderful products

95

00:03:45,589 --> 00:03:44,080

but in fact they often buy up other

96

00:03:49,630 --> 00:03:45,599

companies that have developed the

97

00:03:52,550 --> 00:03:49,640

products and so it was with pcbs

98

00:03:54,949 --> 00:03:52,560

polychlorin chlorinal biphenyls i

99

00:03:57,110 --> 00:03:54,959

believe is the full thing and what it

100

00:03:58,869 --> 00:03:57,120

was in the 20s they discovered this it

101
00:04:02,149 --> 00:03:58,879
was a lubricant for electrical

102
00:04:04,550 --> 00:04:02,159
generators and as so many of these

103
00:04:06,789 --> 00:04:04,560
products are are when they're first

104
00:04:09,429 --> 00:04:06,799
discovered it was touted as a modern

105
00:04:11,990 --> 00:04:09,439
miracle uh electricity of course was

106
00:04:13,350 --> 00:04:12,000
coming into the world big time then and

107
00:04:18,150 --> 00:04:13,360
generators

108
00:04:20,789 --> 00:04:18,160
need to be lubricated they heat up and

109
00:04:23,350 --> 00:04:20,799
they of course the oils in them could

110
00:04:26,230 --> 00:04:23,360
burst into flames a very dangerous

111
00:04:28,870 --> 00:04:26,240
situation the pcbs were this wonder

112
00:04:30,469 --> 00:04:28,880
miracle because

113
00:04:33,030 --> 00:04:30,479

they didn't

114

00:04:34,950 --> 00:04:33,040

burst into flames they did not

115

00:04:43,909 --> 00:04:34,960

you know

116

00:04:46,710 --> 00:04:43,919

product for monsanto and

117

00:04:48,710 --> 00:04:46,720

used all over the country

118

00:04:50,469 --> 00:04:48,720

all over the world

119

00:04:52,150 --> 00:04:50,479

they're very ubiquitous and that's one

120

00:04:54,310 --> 00:04:52,160

of the problems with them

121

00:04:56,469 --> 00:04:54,320

the thing is though they're dangerous

122

00:04:59,749 --> 00:04:56,479

they're a dangerous carcinogen

123

00:05:01,909 --> 00:04:59,759

they cause oh all sorts of uh damage to

124

00:05:04,469 --> 00:05:01,919

the reproductive system

125

00:05:07,510 --> 00:05:04,479

chromosome damage you name it this is a

126

00:05:09,430 --> 00:05:07,520

really really toxic chemical as we found

127

00:05:11,670 --> 00:05:09,440

out and in fact uh they were

128

00:05:14,469 --> 00:05:11,680

discontinued in right at the start of

129

00:05:17,430 --> 00:05:14,479

the 70s when it was you know finally let

130

00:05:20,230 --> 00:05:17,440

out just how dangerous these things are

131

00:05:22,230 --> 00:05:20,240

but guess what they knew

132

00:05:24,310 --> 00:05:22,240

as far back as the 30s just how

133

00:05:26,710 --> 00:05:24,320

dangerous to human health these things

134

00:05:28,870 --> 00:05:26,720

were there was an industrial accident

135

00:05:31,350 --> 00:05:28,880

where uh workers were exposed to it they

136

00:05:33,270 --> 00:05:31,360

had what you call chloracne it's a skin

137

00:05:35,749 --> 00:05:33,280

reaction they developed all these

138

00:05:38,710 --> 00:05:35,759

illnesses right you know right away and

139

00:05:39,909 --> 00:05:38,720

down the road scientific tests were done

140

00:05:42,390 --> 00:05:39,919

at that time

141

00:05:45,830 --> 00:05:42,400

and it was shown that this is a

142

00:05:48,790 --> 00:05:45,840

dangerous chemical yet they continued to

143

00:05:50,870 --> 00:05:48,800

produce pcbs right up until i believe it

144

00:05:53,749 --> 00:05:50,880

was 1971.

145

00:05:55,749 --> 00:05:53,759

they polluted several communities where

146

00:05:57,029 --> 00:05:55,759

they were produced including anniston

147

00:06:00,070 --> 00:05:57,039

alabama

148

00:06:02,629 --> 00:06:00,080

and soi illinois now mind you these

149

00:06:04,150 --> 00:06:02,639

things are everywhere because electric

150

00:06:08,469 --> 00:06:04,160

transformers and generators are

151
00:06:12,150 --> 00:06:08,479
everywhere but these places uh became so

152
00:06:15,189 --> 00:06:12,160
uh covered and in the water air and soil

153
00:06:17,590 --> 00:06:15,199
with pcbs people had severe health

154
00:06:20,870 --> 00:06:17,600
problems especially children who are

155
00:06:22,150 --> 00:06:20,880
most susceptible to this anniston

156
00:06:24,430 --> 00:06:22,160
alabama

157
00:06:27,110 --> 00:06:24,440
actually finally in

158
00:06:29,189 --> 00:06:27,120
1997 they formed the citizens against

159
00:06:30,629 --> 00:06:29,199
pollution this was a

160
00:06:32,309 --> 00:06:30,639
and that's in

161
00:06:34,950 --> 00:06:32,319
northern alabama

162
00:06:36,950 --> 00:06:34,960
not so far from birmingham uh against

163
00:06:38,629 --> 00:06:36,960

monsanto they had to fight the court

164

00:06:41,430 --> 00:06:38,639

case went on for

165

00:06:43,510 --> 00:06:41,440

almost 10 years because monsanto has

166

00:06:46,150 --> 00:06:43,520

incredible

167

00:06:48,070 --> 00:06:46,160

deep pockets for legal expenses so they

168

00:06:51,189 --> 00:06:48,080

fought him even though they knew that

169

00:06:53,909 --> 00:06:51,199

they had poisoned those people but

170

00:06:56,309 --> 00:06:53,919

people finally prevailed they prevailed

171

00:06:58,790 --> 00:06:56,319

and they won a settlement uh in the

172

00:07:00,710 --> 00:06:58,800

millions against monsanto so jay

173

00:07:02,629 --> 00:07:00,720

illinois some of you might be familiar

174

00:07:04,550 --> 00:07:02,639

with that situation at the crum rich

175

00:07:07,430 --> 00:07:04,560

plant it's still open to the state it

176

00:07:10,150 --> 00:07:07,440

doesn't make pcbs anymore but the soil

177

00:07:12,550 --> 00:07:10,160

and air and water severe health problems

178

00:07:14,629 --> 00:07:12,560

it was in the air at first

179

00:07:16,469 --> 00:07:14,639

and then they switched it to the water

180

00:07:18,950 --> 00:07:16,479

they said oh we solved the air pollution

181

00:07:21,430 --> 00:07:18,960

problem and they put it in the water and

182

00:07:22,950 --> 00:07:21,440

the creeks and water supply got so

183

00:07:26,309 --> 00:07:22,960

polluted

184

00:07:29,350 --> 00:07:26,319

all because of monsanto

185

00:07:32,629 --> 00:07:29,360

so this is the kind of company they are

186

00:07:33,589 --> 00:07:32,639

so what happens is that um

187

00:07:37,990 --> 00:07:33,599

in

188

00:07:39,670 --> 00:07:38,000

monsanto had a problem two problems

189

00:07:41,430 --> 00:07:39,680

first of all they had they knew about

190

00:07:42,390 --> 00:07:41,440

their liability

191

00:07:45,510 --> 00:07:42,400

with

192

00:07:48,550 --> 00:07:45,520

the pcbs especially now dioxin is often

193

00:07:50,309 --> 00:07:48,560

a byproduct never made um

194

00:07:52,790 --> 00:07:50,319

you know um

195

00:07:55,990 --> 00:07:52,800

directly never made uh you know

196

00:07:58,309 --> 00:07:56,000

purposely i guess i should say but it

197

00:08:00,070 --> 00:07:58,319

that's also creeps into the problem

198

00:08:03,589 --> 00:08:00,080

dachshund is formed from a lot of

199

00:08:04,629 --> 00:08:03,599

different sources not just monsanto

200

00:08:07,270 --> 00:08:04,639

anyway

201
00:08:09,270 --> 00:08:07,280
so they have this liability problem they

202
00:08:12,950 --> 00:08:09,280
knew it also

203
00:08:17,270 --> 00:08:12,960
they had produced another new you know

204
00:08:21,189 --> 00:08:17,280
compound a new modern miracle which was

205
00:08:22,550 --> 00:08:21,199
uh glyphosate which we know is roundup

206
00:08:25,670 --> 00:08:22,560
and

207
00:08:27,830 --> 00:08:25,680
this you know their sales skyrocketed on

208
00:08:29,350 --> 00:08:27,840
roundup made them a lot of money as a

209
00:08:31,270 --> 00:08:29,360
matter of fact

210
00:08:32,550 --> 00:08:31,280
a large part of their sales i think i've

211
00:08:34,870 --> 00:08:32,560
seen figures of

212
00:08:36,790 --> 00:08:34,880
30 to 40 percent of their sales are from

213
00:08:41,829 --> 00:08:36,800

roundup

214

00:08:43,990 --> 00:08:41,839

safe

215

00:08:46,470 --> 00:08:44,000

herbicide and that's what it's used for

216

00:08:48,630 --> 00:08:46,480

herbicide you might see people spraying

217

00:08:50,949 --> 00:08:48,640

you know weeds

218

00:08:51,990 --> 00:08:50,959

or you know farmers of course use it

219

00:08:54,630 --> 00:08:52,000

widely

220

00:08:56,870 --> 00:08:54,640

the problem is is that it's not safe i

221

00:08:59,350 --> 00:08:56,880

can tell you sources later

222

00:09:02,070 --> 00:08:59,360

but the main thing about roundup is when

223

00:09:04,310 --> 00:09:02,080

you inhale it is where it does its most

224

00:09:06,470 --> 00:09:04,320

damage parkinson's disease there's a

225

00:09:08,630 --> 00:09:06,480

long litany of things

226

00:09:12,070 --> 00:09:08,640

that comes from roundup if you know

227

00:09:14,949 --> 00:09:12,080

someone that uses it please tell them to

228

00:09:17,190 --> 00:09:14,959

wear gloves and a respirator if they

229

00:09:19,670 --> 00:09:17,200

must use it at all

230

00:09:22,230 --> 00:09:19,680

the thing is it has surface it's made to

231

00:09:24,790 --> 00:09:22,240

go on the outside of a plant so it has

232

00:09:27,350 --> 00:09:24,800

surfaces to make it stick to the plant

233

00:09:28,710 --> 00:09:27,360

and then it absorbs into the plant

234

00:09:30,389 --> 00:09:28,720

and that's what makes it dangerous it

235

00:09:32,230 --> 00:09:30,399

gets on your skin

236

00:09:34,630 --> 00:09:32,240

and it absorbs into your skin and you

237

00:09:37,670 --> 00:09:34,640

know respiratory diseases can come from

238

00:09:40,230 --> 00:09:37,680

this stuff please be safe if you must

239

00:09:43,190 --> 00:09:40,240

feel you must use it

240

00:09:46,949 --> 00:09:43,200

so anyway the roundup though was the

241

00:09:48,710 --> 00:09:46,959

patent was expiring so monsanto had this

242

00:09:50,470 --> 00:09:48,720

idea they were going to reinvent

243

00:09:52,870 --> 00:09:50,480

themselves they were no longer going to

244

00:09:54,550 --> 00:09:52,880

be a chemical a chemical company they

245

00:09:56,630 --> 00:09:54,560

were going to be a life sciences company

246

00:10:00,230 --> 00:09:56,640

they're going to switch from these dirty

247

00:10:03,030 --> 00:10:00,240

chemicals and then make uh you know

248

00:10:05,590 --> 00:10:03,040

start producing seeds gmo seeds this

249

00:10:07,990 --> 00:10:05,600

actually uh transition happened in the

250

00:10:10,389 --> 00:10:08,000

mid 90s but of course you know the

251
00:10:12,230 --> 00:10:10,399
transition started way before that they

252
00:10:14,470 --> 00:10:12,240
created solutia

253
00:10:16,829 --> 00:10:14,480
solutia now does all the chemical things

254
00:10:19,190 --> 00:10:16,839
that monsanto used to do

255
00:10:21,829 --> 00:10:19,200
uh really what they were doing though

256
00:10:24,389 --> 00:10:21,839
when they created solution was spinning

257
00:10:26,870 --> 00:10:24,399
off liability in other words hey we're

258
00:10:28,630 --> 00:10:26,880
not them anymore we're clean you know

259
00:10:30,550 --> 00:10:28,640
we're monster we're doing these gmos

260
00:10:33,030 --> 00:10:30,560
we're out to help farmers and feed the

261
00:10:36,310 --> 00:10:33,040
world or so they said so that is the

262
00:10:39,269 --> 00:10:36,320
background uh don't believe the feed the

263
00:10:42,230 --> 00:10:39,279

world uh and help farmers thing as we

264

00:10:44,310 --> 00:10:42,240

will discover what it's really about is

265

00:10:47,030 --> 00:10:44,320

making money by what they've been doing

266

00:10:49,910 --> 00:10:47,040

for a while foisting unsafe

267

00:10:53,190 --> 00:10:49,920

environmentally dangerous chemicals on

268

00:10:55,269 --> 00:10:53,200

the public and and might i add totally

269

00:10:58,150 --> 00:10:55,279

dominating the market smashing

270

00:10:59,190 --> 00:10:58,160

competitors and so on

271

00:11:03,030 --> 00:10:59,200

all right

272

00:11:05,430 --> 00:11:03,040

so um what are gmos well um this is a

273

00:11:07,590 --> 00:11:05,440

really good book uh brian tokaro i admit

274

00:11:09,030 --> 00:11:07,600

and it's a it talks about various issues

275

00:11:11,110 --> 00:11:09,040

of gmo and i'm not going to read much

276

00:11:14,790 --> 00:11:11,120

but let me just read this first

277

00:11:17,110 --> 00:11:14,800

paragraph because um genetically

278

00:11:19,509 --> 00:11:17,120

modified organisms it was used to be

279

00:11:22,389 --> 00:11:19,519

called genetic engineering but even the

280

00:11:24,470 --> 00:11:22,399

industry doesn't use this term and this

281

00:11:26,949 --> 00:11:24,480

i think this short reading will explain

282

00:11:30,949 --> 00:11:29,509

excuse me genetic engineering or gene

283

00:11:32,949 --> 00:11:30,959

splicing

284

00:11:36,069 --> 00:11:32,959

is the means by which segments of

285

00:11:38,550 --> 00:11:36,079

genetic material or dna

286

00:11:41,590 --> 00:11:38,560

is taken from the cells of virtually any

287

00:11:43,430 --> 00:11:41,600

plant animal or microorganism

288

00:11:45,829 --> 00:11:43,440

usually the genes

289

00:11:47,750 --> 00:11:45,839

that are believed to encode a distinct

290

00:11:49,430 --> 00:11:47,760

biological function

291

00:11:52,150 --> 00:11:49,440

and they can be isolated in the

292

00:11:54,790 --> 00:11:52,160

laboratory and artificially inserted

293

00:11:56,870 --> 00:11:54,800

into the chromosomes of another often

294

00:11:59,269 --> 00:11:56,880

unrelated organism

295

00:12:01,670 --> 00:11:59,279

first the plant and animal genes were

296

00:12:04,630 --> 00:12:01,680

inserted into bacteria and the mass

297

00:12:07,190 --> 00:12:04,640

cloning of these genetically altered

298

00:12:08,949 --> 00:12:07,200

bacteria made it possible to produce

299

00:12:11,430 --> 00:12:08,959

large quantities of

300

00:12:13,990 --> 00:12:11,440

substances such as the bovine growth

301
00:12:17,190 --> 00:12:14,000
hormone and human insulin

302
00:12:20,230 --> 00:12:17,200
more recently bacteria and viruses that

303
00:12:22,550 --> 00:12:20,240
naturally infect living cells

304
00:12:26,150 --> 00:12:22,560
have been loaded up with particular

305
00:12:28,310 --> 00:12:26,160
agents into an organism's dna

306
00:12:31,750 --> 00:12:28,320
today in many cases

307
00:12:36,069 --> 00:12:31,760
foreign genes are injected directly

308
00:12:39,110 --> 00:12:36,079
using so-called gene guns yes gene guns

309
00:12:42,150 --> 00:12:39,120
which are microscopic pellets of gold or

310
00:12:45,030 --> 00:12:42,160
tungsten to insert foreign genes at

311
00:12:47,269 --> 00:12:45,040
essentially random locations in the

312
00:12:49,829 --> 00:12:47,279
host's chromosomes

313
00:12:51,430 --> 00:12:49,839

since the success rate of gene transfers

314

00:12:54,949 --> 00:12:51,440

by any of these

315

00:12:58,470 --> 00:12:54,959

methods is usually exceedingly low

316

00:13:00,949 --> 00:12:58,480

marker genes for antibiotic resistance

317

00:13:03,590 --> 00:13:00,959

herbicide tolerance or other easily

318

00:13:06,550 --> 00:13:03,600

testable traits are included making it

319

00:13:09,509 --> 00:13:06,560

possible for scientists or manufacturers

320

00:13:12,790 --> 00:13:09,519

to randomly select only those cells that

321

00:13:15,509 --> 00:13:12,800

successfully incorporate the foreign or

322

00:13:17,509 --> 00:13:15,519

also called recombinant dna so in other

323

00:13:19,990 --> 00:13:17,519

words they're taking genes from like

324

00:13:21,750 --> 00:13:20,000

let's look at the flavor saver tomato a

325

00:13:23,990 --> 00:13:21,760

fish from a gene

326

00:13:26,629 --> 00:13:24,000

is inserted into a tomato

327

00:13:27,670 --> 00:13:26,639

to so that it becomes frost resistant so

328

00:13:30,629 --> 00:13:27,680

that they could

329

00:13:33,750 --> 00:13:30,639

grow tomatoes later into the season

330

00:13:36,550 --> 00:13:33,760

now the gmo they'll tell you oh

331

00:13:38,550 --> 00:13:36,560

hybridization and genetic manipulation

332

00:13:40,389 --> 00:13:38,560

have been going on for years i mean

333

00:13:42,310 --> 00:13:40,399

farmers have hybridized cop this is

334

00:13:44,629 --> 00:13:42,320

nothing new

335

00:13:46,550 --> 00:13:44,639

oh really so

336

00:13:48,949 --> 00:13:46,560

farmers for years have been putting fish

337

00:13:50,150 --> 00:13:48,959

genes into

338

00:13:52,790 --> 00:13:50,160

you know

339

00:13:53,829 --> 00:13:52,800

tomatoes or other plant organisms in

340

00:13:55,829 --> 00:13:53,839

other words

341

00:13:58,790 --> 00:13:55,839

when has the

342

00:14:01,829 --> 00:13:58,800

genes from bacteria been put directly

343

00:14:03,829 --> 00:14:01,839

into a plant this is a lie this is not

344

00:14:05,350 --> 00:14:03,839

so this is something totally new and

345

00:14:10,629 --> 00:14:05,360

unprecedented

346

00:14:13,750 --> 00:14:10,639

uh and potentially very dangerous now

347

00:14:17,189 --> 00:14:13,760

um the main the main crops that are

348

00:14:19,750 --> 00:14:17,199

genetically uh modified are

349

00:14:22,389 --> 00:14:19,760

and almost exclusively to most most

350

00:14:26,710 --> 00:14:22,399

seeds are not genetically modified but

351
00:14:29,110 --> 00:14:26,720
corn soy cotton canola and sugar beets

352
00:14:31,430 --> 00:14:29,120
are the most common

353
00:14:35,189 --> 00:14:31,440
gmo seeds

354
00:14:36,870 --> 00:14:35,199
sugar beets that that's right so now um

355
00:14:38,629 --> 00:14:36,880
uh they're switching away from what's

356
00:14:40,230 --> 00:14:38,639
that

357
00:14:41,430 --> 00:14:40,240
okay corn

358
00:14:42,829 --> 00:14:41,440
soy

359
00:14:44,629 --> 00:14:42,839
cotton

360
00:14:46,790 --> 00:14:44,639
canola

361
00:14:48,949 --> 00:14:46,800
and sugar beets

362
00:14:50,790 --> 00:14:48,959
so um

363
00:14:53,509 --> 00:14:50,800

the thing is they're switching away a

364

00:14:56,150 --> 00:14:53,519

lot of processed food from um

365

00:14:59,189 --> 00:14:56,160

cane sugar to the sugar beets which and

366

00:15:02,470 --> 00:14:59,199

i'll explain why in a second uh so if it

367

00:15:04,550 --> 00:15:02,480

doesn't say cane sugar on your package

368

00:15:06,629 --> 00:15:04,560

it's probably sugar beets these days and

369

00:15:09,910 --> 00:15:06,639

could contain gmos

370

00:15:13,829 --> 00:15:09,920

uh there's two main traits that they put

371

00:15:14,629 --> 00:15:13,839

into um the gmo seeds one

372

00:15:16,790 --> 00:15:14,639

is

373

00:15:18,870 --> 00:15:16,800

herbicide tolerance

374

00:15:21,910 --> 00:15:18,880

in other words

375

00:15:24,629 --> 00:15:21,920

tolerant of glyphosate or roundup

376

00:15:26,949 --> 00:15:24,639

uh if you know about farming has anyone

377

00:15:29,430 --> 00:15:26,959

ever done any farming or okay so we got

378

00:15:31,350 --> 00:15:29,440

a few so if you know about farming um

379

00:15:32,949 --> 00:15:31,360

modern farming after the green

380

00:15:34,870 --> 00:15:32,959

revolution became that instead of

381

00:15:36,550 --> 00:15:34,880

digging up the weeds

382

00:15:39,269 --> 00:15:36,560

uh you go out to your field and you

383

00:15:41,269 --> 00:15:39,279

spray the roundup on it and kill all the

384

00:15:43,430 --> 00:15:41,279

weeds you burn it down right then you

385

00:15:46,230 --> 00:15:43,440

plant your crop and it suppresses the

386

00:15:50,870 --> 00:15:46,240

weeds for a while and then um

387

00:15:53,269 --> 00:15:50,880

as the soy for example uh grows um well

388

00:15:55,430 --> 00:15:53,279

you can't spray the roundup on it then

389

00:15:56,710 --> 00:15:55,440

because it would kill your soy crop so

390

00:15:59,430 --> 00:15:56,720

you have to do it

391

00:16:02,069 --> 00:15:59,440

uh by hand or with the machine and such

392

00:16:04,150 --> 00:16:02,079

it's it's a very labor intensive thing

393

00:16:07,509 --> 00:16:04,160

uh there's other techniques that farmers

394

00:16:10,389 --> 00:16:07,519

have used but that's essentially it

395

00:16:12,629 --> 00:16:10,399

with the roundup ready crop

396

00:16:16,230 --> 00:16:12,639

well what happens is that the farmer can

397

00:16:18,710 --> 00:16:16,240

now spray the roundup as the

398

00:16:20,829 --> 00:16:18,720

soy is growing

399

00:16:24,790 --> 00:16:20,839

and it kills the weeds but not the

400

00:16:27,829 --> 00:16:24,800

roundup another modern miracle you know

401
00:16:29,590 --> 00:16:27,839
hmm yes wonderful now i talked to

402
00:16:31,350 --> 00:16:29,600
farmers um

403
00:16:34,389 --> 00:16:31,360
uh in the um

404
00:16:37,110 --> 00:16:34,399
you know late um 20th century and early

405
00:16:40,230 --> 00:16:37,120
you know 10 or 10 12

406
00:16:43,430 --> 00:16:40,240
15 years ago and some farmers were truly

407
00:16:44,949 --> 00:16:43,440
gung-ho i had this one farmer tell me i

408
00:16:48,389 --> 00:16:44,959
love this stuff you know how much work

409
00:16:51,269 --> 00:16:48,399
this saves me from weeding you know it's

410
00:16:52,310 --> 00:16:51,279
it's a big thing as you can imagine

411
00:16:54,550 --> 00:16:52,320
and uh

412
00:16:56,470 --> 00:16:54,560
they loved it so but anyway we'll get to

413
00:17:00,629 --> 00:16:56,480

the problems um

414

00:17:03,670 --> 00:17:00,639

later uh the other main trait in um

415

00:17:05,990 --> 00:17:03,680

with gmo crops is

416

00:17:07,590 --> 00:17:06,000

an insecticide that's put in there it's

417

00:17:09,630 --> 00:17:07,600

called bt

418

00:17:12,470 --> 00:17:09,640

bacillus thurin

419

00:17:13,909 --> 00:17:12,480

thuringiensis or bt

420

00:17:16,069 --> 00:17:13,919

and that is an

421

00:17:18,150 --> 00:17:16,079

insecticide it was used by organic

422

00:17:19,909 --> 00:17:18,160

farmers and other farmers it's something

423

00:17:22,150 --> 00:17:19,919

that they would when there was a bug

424

00:17:24,870 --> 00:17:22,160

problem they would throw it on the crop

425

00:17:26,949 --> 00:17:24,880

sparingly and the insects would eat it

426

00:17:29,430 --> 00:17:26,959

and die and then of course the rain

427

00:17:32,310 --> 00:17:29,440

would wash it away it was a somewhat

428

00:17:33,430 --> 00:17:32,320

benign insecticide but i might remind

429

00:17:36,950 --> 00:17:33,440

you that

430

00:17:40,789 --> 00:17:36,960

uh there's no such thing as a safe

431

00:17:42,390 --> 00:17:40,799

poison don't ever believe that poison is

432

00:17:46,549 --> 00:17:42,400

poison folks

433

00:17:50,070 --> 00:17:46,559

there's poisons that are less toxic true

434

00:17:51,750 --> 00:17:50,080

enough but don't buy into the it's it's

435

00:17:54,789 --> 00:17:51,760

safe

436

00:17:57,590 --> 00:17:54,799

so anyway uh what they did is they

437

00:18:00,070 --> 00:17:57,600

they from the bacteria of bt they were

438

00:18:02,870 --> 00:18:00,080

able to take the gene out of there and

439

00:18:04,789 --> 00:18:02,880

put it into corn for example

440

00:18:08,470 --> 00:18:04,799

you know with the gene gun

441

00:18:10,390 --> 00:18:08,480

and then as the plant grew uh the pests

442

00:18:12,230 --> 00:18:10,400

would get on the corn rootworm was the

443

00:18:15,350 --> 00:18:12,240

big problem

444

00:18:17,990 --> 00:18:15,360

root worm as they eat the roots

445

00:18:20,470 --> 00:18:18,000

die now because there's

446

00:18:21,590 --> 00:18:20,480

in every cell of that plant there is the

447

00:18:24,070 --> 00:18:21,600

bt

448

00:18:26,789 --> 00:18:24,080

uh you can see the obvious problem

449

00:18:28,470 --> 00:18:26,799

because in every cell of that corn plant

450

00:18:31,190 --> 00:18:28,480

is the bt site means when you eat the

451
00:18:34,070 --> 00:18:31,200
corn you are eating it too

452
00:18:35,990 --> 00:18:34,080
of course monsanto claims that it's safe

453
00:18:38,710 --> 00:18:36,000
but let's look at these two drops oh and

454
00:18:40,789 --> 00:18:38,720
i i might add at this point

455
00:18:44,470 --> 00:18:40,799
their intent of

456
00:18:46,710 --> 00:18:44,480
you know yield increases less chemicals

457
00:18:48,630 --> 00:18:46,720
it's good for the environment they were

458
00:18:51,270 --> 00:18:48,640
never interested that

459
00:18:53,270 --> 00:18:51,280
feeding the world

460
00:18:55,830 --> 00:18:53,280
there they were interested in these

461
00:18:59,590 --> 00:18:55,840
things uh for farmers you know to

462
00:19:00,630 --> 00:18:59,600
increase uh their sales of their seeds

463
00:19:02,549 --> 00:19:00,640

uh

464

00:19:03,430 --> 00:19:02,559

so the problem is all right so right

465

00:19:05,750 --> 00:19:03,440

away

466

00:19:08,310 --> 00:19:05,760

15 years ago i talked to

467

00:19:10,789 --> 00:19:08,320

scientists experts like brian tokar and

468

00:19:13,270 --> 00:19:10,799

this is what they told me because of the

469

00:19:15,029 --> 00:19:13,280

fact that there's so much of these genes

470

00:19:18,230 --> 00:19:15,039

in the corn plant in the soy and those

471

00:19:20,789 --> 00:19:18,240

were the first two big ones corn and soy

472

00:19:21,990 --> 00:19:20,799

uh i might tell you that uh

473

00:19:25,110 --> 00:19:22,000

90

474

00:19:28,950 --> 00:19:25,120

or more of the corn and soy grown in

475

00:19:31,190 --> 00:19:28,960

this country are genetically modified if

476
00:19:32,710 --> 00:19:31,200
it doesn't say organic

477
00:19:34,789 --> 00:19:32,720
if it doesn't say

478
00:19:38,870 --> 00:19:34,799
gmo certified

479
00:19:40,789 --> 00:19:38,880
certified gmo free it probably has gmos

480
00:19:42,310 --> 00:19:40,799
in it if it has and the thing is

481
00:19:44,310 --> 00:19:42,320
processed foods you think well i don't

482
00:19:46,230 --> 00:19:44,320
need a lot of corn or soy

483
00:19:49,350 --> 00:19:46,240
look at processed foods that you bought

484
00:19:50,470 --> 00:19:49,360
super want corn soy and virtually every

485
00:19:54,230 --> 00:19:50,480
product

486
00:19:57,590 --> 00:19:54,240
these uh these these uh the gmo corn and

487
00:19:58,870 --> 00:19:57,600
soy and others are ubiquitous um

488
00:19:59,990 --> 00:19:58,880

so

489

00:20:02,070 --> 00:20:00,000

um

490

00:20:04,390 --> 00:20:02,080

the pro so what brian tocar said is

491

00:20:07,750 --> 00:20:04,400

because it's in every gene

492

00:20:11,029 --> 00:20:07,760

the weeds will become resistant very

493

00:20:14,150 --> 00:20:11,039

quickly weeds always become resistant to

494

00:20:16,950 --> 00:20:14,160

herbicides it's just a matter of time

495

00:20:19,590 --> 00:20:16,960

we know this from the beginning of the

496

00:20:21,350 --> 00:20:19,600

green revolution after the 40s of course

497

00:20:23,750 --> 00:20:21,360

the time when they started using massive

498

00:20:27,590 --> 00:20:23,760

amount of chemicals on our crops

499

00:20:29,990 --> 00:20:27,600

and also we also know that bugs will

500

00:20:32,070 --> 00:20:30,000

always over time

501
00:20:34,870 --> 00:20:32,080
get resistance to

502
00:20:36,549 --> 00:20:34,880
pesticides we know this because

503
00:20:39,190 --> 00:20:36,559
eventually as you know how it works if

504
00:20:40,870 --> 00:20:39,200
you farm and some of the bugs survive

505
00:20:43,990 --> 00:20:40,880
and then they reproduce and then their

506
00:20:44,870 --> 00:20:44,000
offspring have the resistance

507
00:20:48,230 --> 00:20:44,880
well

508
00:20:50,549 --> 00:20:48,240
it's happened already it's already here

509
00:20:52,630 --> 00:20:50,559
there are superweeds they call them it's

510
00:20:55,350 --> 00:20:52,640
glyphosate tolerant

511
00:20:58,149 --> 00:20:55,360
they're having to switch glyphosate is

512
00:21:01,029 --> 00:20:58,159
becoming useless in agricultural

513
00:21:02,549 --> 00:21:01,039

applications just as many of critics of

514

00:21:04,789 --> 00:21:02,559

gmo said

515

00:21:06,870 --> 00:21:04,799

so what are they doing these people that

516

00:21:09,190 --> 00:21:06,880

promise us less chemicals they're

517

00:21:11,270 --> 00:21:09,200

switching back to more dangerous

518

00:21:12,630 --> 00:21:11,280

chemicals

519

00:21:15,430 --> 00:21:12,640

2 4-d

520

00:21:17,029 --> 00:21:15,440

is one which is part of dioxin is now

521

00:21:19,909 --> 00:21:17,039

being used

522

00:21:22,789 --> 00:21:19,919

decambra another powerful

523

00:21:24,710 --> 00:21:22,799

herbicide is now being used again they

524

00:21:27,669 --> 00:21:24,720

were trying to phase these out but what

525

00:21:30,710 --> 00:21:27,679

can so now we have more use of more

526
00:21:33,270 --> 00:21:30,720
dangerous chemicals it's the same story

527
00:21:35,510 --> 00:21:33,280
with the bugs they are becoming

528
00:21:38,149 --> 00:21:35,520
resistant to bt

529
00:21:40,710 --> 00:21:38,159
so the organic or small farmer that used

530
00:21:44,390 --> 00:21:40,720
to use it sprinkle it on their crops

531
00:21:46,149 --> 00:21:44,400
uh you know as a way you know sparingly

532
00:21:48,149 --> 00:21:46,159
doesn't work anymore

533
00:21:49,909 --> 00:21:48,159
and the bt crops are used so now what do

534
00:21:52,549 --> 00:21:49,919
you think farmers are having to do

535
00:21:53,590 --> 00:21:52,559
spraying those old dangerous pesticides

536
00:21:54,789 --> 00:21:53,600
on there

537
00:21:57,590 --> 00:21:54,799
so

538
00:22:01,750 --> 00:21:57,600

the first and biggest problem with gmos

539

00:22:04,710 --> 00:22:01,760

is they don't work in the long run

540

00:22:07,350 --> 00:22:04,720

if i give you something that works today

541

00:22:11,669 --> 00:22:07,360

but doesn't tomorrow what good is that

542

00:22:14,310 --> 00:22:11,679

this is what's happened with bt crops

543

00:22:15,350 --> 00:22:14,320

as i said uh

544

00:22:21,669 --> 00:22:15,360

90

545

00:22:23,830 --> 00:22:21,679

country in the rest of the world it's a

546

00:22:27,669 --> 00:22:23,840

different story some countries very much

547

00:22:32,470 --> 00:22:27,679

so some uh like the europeans have

548

00:22:34,789 --> 00:22:32,480

banned certain gmos um italy i think

549

00:22:37,669 --> 00:22:34,799

a lot of them are banning the bt corn

550

00:22:39,669 --> 00:22:37,679

that one is you know mexico has always

551
00:22:41,990 --> 00:22:39,679
banned it

552
00:22:44,149 --> 00:22:42,000
but the thing is these seeds get around

553
00:22:45,430 --> 00:22:44,159
in other words if you buy

554
00:22:46,950 --> 00:22:45,440
if you ship

555
00:22:48,789 --> 00:22:46,960
of course the corn and soy is shipped

556
00:22:50,630 --> 00:22:48,799
all over the world so if you sell

557
00:22:53,430 --> 00:22:50,640
something for food

558
00:22:55,510 --> 00:22:53,440
some can take it and plant it uh it's

559
00:22:57,830 --> 00:22:55,520
that's a problem another problem with

560
00:23:00,149 --> 00:22:57,840
gmo crops it's like once the genie is

561
00:23:02,070 --> 00:23:00,159
out of the bottle it can't be brought

562
00:23:05,110 --> 00:23:02,080
back in

563
00:23:07,510 --> 00:23:05,120

how do they get such

564

00:23:09,350 --> 00:23:07,520

unbelievable market share

565

00:23:11,590 --> 00:23:09,360

uh well one of the things is is that

566

00:23:13,830 --> 00:23:11,600

when they sold solution when they spun

567

00:23:15,830 --> 00:23:13,840

off solution of course they had buyers

568

00:23:17,590 --> 00:23:15,840

um you know they sold stock they took

569

00:23:19,669 --> 00:23:17,600

all that money and started buying seed

570

00:23:22,950 --> 00:23:19,679

companies so a lot of the big seed

571

00:23:25,430 --> 00:23:22,960

companies were bought up by monsanto

572

00:23:27,110 --> 00:23:25,440

monsanto i believe it's again i'm not a

573

00:23:28,310 --> 00:23:27,120

fax and figures guy

574

00:23:30,230 --> 00:23:28,320

60

575

00:23:32,950 --> 00:23:30,240

of seeds something like that don't quote

576

00:23:36,230 --> 00:23:32,960

me some huge share of seeds that are

577

00:23:38,789 --> 00:23:36,240

bought now are sold by monsanto it's

578

00:23:41,270 --> 00:23:38,799

monopolization of the market and this is

579

00:23:42,789 --> 00:23:41,280

another controversy they

580

00:23:44,950 --> 00:23:42,799

they patent

581

00:23:47,430 --> 00:23:44,960

uh life forms

582

00:23:49,430 --> 00:23:47,440

well uh the precedent was always that

583

00:23:51,909 --> 00:23:49,440

you shouldn't like you know okay so

584

00:23:55,510 --> 00:23:51,919

capitalism it's all about uh property

585

00:23:59,029 --> 00:23:55,520

ownership right i mean i own my company

586

00:24:01,350 --> 00:23:59,039

i own my house i own my car i you know

587

00:24:03,190 --> 00:24:01,360

you know business

588

00:24:06,310 --> 00:24:03,200

but the precedent was you well you can't

589

00:24:08,390 --> 00:24:06,320

own a life form uh for example slavery

590

00:24:11,830 --> 00:24:08,400

was ended you know the idea of slavery

591

00:24:12,630 --> 00:24:11,840

was that hey you can own a person you

592

00:24:14,870 --> 00:24:12,640

know

593

00:24:17,110 --> 00:24:14,880

you can own a dog but

594

00:24:18,789 --> 00:24:17,120

if you have a shelter you don't own all

595

00:24:22,630 --> 00:24:18,799

shelties

596

00:24:25,750 --> 00:24:22,640

with patenting of corn and soy they own

597

00:24:26,789 --> 00:24:25,760

all of that variety of like the bt corn

598

00:24:28,470 --> 00:24:26,799

all that's

599

00:24:30,070 --> 00:24:28,480

you know owned by them

600

00:24:32,549 --> 00:24:30,080

uh well you say well you know other

601
00:24:34,470 --> 00:24:32,559
people can grow corn but no farmers are

602
00:24:36,230 --> 00:24:34,480
telling me it's harder and harder to

603
00:24:38,230 --> 00:24:36,240
find traditional varieties because

604
00:24:40,310 --> 00:24:38,240
monsanto owns those companies so they're

605
00:24:42,870 --> 00:24:40,320
withdrawing traditional varieties of

606
00:24:45,110 --> 00:24:42,880
corn they want you to buy the seeds and

607
00:24:47,590 --> 00:24:45,120
guess what when the farmer buys the seed

608
00:24:50,310 --> 00:24:47,600
he has to sign a technology agreement

609
00:24:53,430 --> 00:24:50,320
this technology agreement says that you

610
00:24:56,230 --> 00:24:53,440
are under our control for five years or

611
00:24:57,590 --> 00:24:56,240
longer you may not replant your own

612
00:25:01,669 --> 00:24:57,600
seeds

613
00:25:03,669 --> 00:25:01,679

agriculture is all about originally

614

00:25:06,470 --> 00:25:03,679

you would you know save some of your

615

00:25:08,710 --> 00:25:06,480

crop and collect the seeds and then

616

00:25:11,110 --> 00:25:08,720

replant the next year

617

00:25:13,110 --> 00:25:11,120

biotech seeds you can't do that and they

618

00:25:16,230 --> 00:25:13,120

watch oh do they watch they have

619

00:25:17,990 --> 00:25:16,240

prosecuted farmers over that the

620

00:25:20,950 --> 00:25:18,000

of course the

621

00:25:24,230 --> 00:25:20,960

another problem is that

622

00:25:27,190 --> 00:25:24,240

you have to pay a technology fee so this

623

00:25:30,310 --> 00:25:27,200

is another cost to farmers

624

00:25:32,710 --> 00:25:30,320

you have to use their chemicals as a

625

00:25:35,350 --> 00:25:32,720

matter of fact uh

626

00:25:37,190 --> 00:25:35,360

roundup ready uh soy for example you can

627

00:25:39,190 --> 00:25:37,200

only use roundup it won't work with

628

00:25:41,830 --> 00:25:39,200

other they've lost the patent so that

629

00:25:45,269 --> 00:25:41,840

like the chinese are making generic

630

00:25:47,430 --> 00:25:45,279

glyphosate you know but it won't work

631

00:25:49,830 --> 00:25:47,440

with the roundup ready crops and even if

632

00:25:52,870 --> 00:25:49,840

it did monsanto is yes they are out in

633

00:25:54,310 --> 00:25:52,880

those fields checking and doing testing

634

00:25:57,350 --> 00:25:54,320

um

635

00:25:59,909 --> 00:25:57,360

the price of corn and soy seeds

636

00:26:01,830 --> 00:25:59,919

especially has skyrocketed

637

00:26:04,149 --> 00:26:01,840

this is putting intense pressure on

638

00:26:07,029 --> 00:26:04,159

farmers this is one of the reasons we're

639

00:26:09,110 --> 00:26:07,039

seeing less and less farmers it's just

640

00:26:11,590 --> 00:26:09,120

getting harder and harder

641

00:26:13,590 --> 00:26:11,600

with the increased use of chemicals it's

642

00:26:15,990 --> 00:26:13,600

not only more expensive it's more

643

00:26:18,390 --> 00:26:16,000

dangerous to your health i believe a

644

00:26:20,470 --> 00:26:18,400

hundred years ago more than 50 percent

645

00:26:22,950 --> 00:26:20,480

of the people in this country live to

646

00:26:25,830 --> 00:26:22,960

work on a farm i was told recently that

647

00:26:29,029 --> 00:26:25,840

is down to three percent so what this is

648

00:26:31,269 --> 00:26:29,039

happening here you can see is that it's

649

00:26:32,149 --> 00:26:31,279

all being controlled

650

00:26:35,430 --> 00:26:32,159

uh

651
00:26:36,870 --> 00:26:35,440
by a small cadre of companies especially

652
00:26:39,669 --> 00:26:36,880
monsanto

653
00:26:41,510 --> 00:26:39,679
and right there to me that shows do do i

654
00:26:43,430 --> 00:26:41,520
trust monsanto this company with this

655
00:26:45,909 --> 00:26:43,440
horrific record

656
00:26:51,110 --> 00:26:48,710
in other countries there's been

657
00:26:53,430 --> 00:26:51,120
unbelievable problems uh first example

658
00:26:55,029 --> 00:26:53,440
the cotton the cotton is did i list that

659
00:26:56,870 --> 00:26:55,039
on one of the five that is one of the

660
00:26:58,549 --> 00:26:56,880
five big ones yeah

661
00:27:01,430 --> 00:26:58,559
cotton okay so

662
00:27:04,390 --> 00:27:01,440
there was spectacular failure with the

663
00:27:05,669 --> 00:27:04,400

gmo cotton crops this is roundup ready

664

00:27:07,750 --> 00:27:05,679

cotton

665

00:27:09,830 --> 00:27:07,760

glyphosate resistant the first years

666

00:27:11,909 --> 00:27:09,840

they did it

667

00:27:14,310 --> 00:27:11,919

the cotton bowls just dropped off the

668

00:27:16,950 --> 00:27:14,320

plants and dried up

669

00:27:19,350 --> 00:27:16,960

big terror in india which is a big

670

00:27:21,830 --> 00:27:19,360

cotton producer

671

00:27:23,269 --> 00:27:21,840

again they had these failures put a lot

672

00:27:26,310 --> 00:27:23,279

of you know they paid they had to pay

673

00:27:28,789 --> 00:27:26,320

some recompense to people but a lot of

674

00:27:30,549 --> 00:27:28,799

farmers suffered because of it because

675

00:27:31,830 --> 00:27:30,559

you know their whole crop is gone that's

676
00:27:35,269 --> 00:27:31,840
the thing about farmers telling me

677
00:27:37,590 --> 00:27:35,279
imagine if you had a company where you

678
00:27:39,430 --> 00:27:37,600
made a product and you only sold it one

679
00:27:41,750 --> 00:27:39,440
time during the year and that was all

680
00:27:42,789 --> 00:27:41,760
your sales they say

681
00:27:44,630 --> 00:27:42,799
um

682
00:27:46,390 --> 00:27:44,640
there's lots of other issues facing

683
00:27:48,710 --> 00:27:46,400
farmers by the way i'm not going to get

684
00:27:51,669 --> 00:27:48,720
into that but you know but

685
00:27:53,029 --> 00:27:51,679
anyway let's focus on this so in india

686
00:27:55,029 --> 00:27:53,039
these farmers

687
00:27:57,350 --> 00:27:55,039
again because of economic pressures and

688
00:28:00,549 --> 00:27:57,360

there's a lot of small farmers planted

689

00:28:03,510 --> 00:28:00,559

the cotton seeds there were failures

690

00:28:05,350 --> 00:28:03,520

the expense ate them up and they can't

691

00:28:08,389 --> 00:28:05,360

switch back remember you're under a

692

00:28:10,230 --> 00:28:08,399

five-year contract with monsanto and if

693

00:28:12,149 --> 00:28:10,240

you after those five years decide i'm

694

00:28:13,830 --> 00:28:12,159

going back to the others they still have

695

00:28:16,149 --> 00:28:13,840

the right to go into your fields and

696

00:28:18,950 --> 00:28:16,159

test for gmos to see that you're not

697

00:28:21,590 --> 00:28:18,960

saving seeds or sealing seeds

698

00:28:24,070 --> 00:28:21,600

it drove a lot of farmers out of

699

00:28:27,830 --> 00:28:24,080

business in india there's a cultural

700

00:28:30,470 --> 00:28:27,840

thing to become to be a farmer who is

701
00:28:32,789 --> 00:28:30,480
economically unsuccessful is a public

702
00:28:36,789 --> 00:28:32,799
embarrassment there was this rash of

703
00:28:39,029 --> 00:28:36,799
suicides on of of in farmers in um

704
00:28:41,029 --> 00:28:39,039
central india i forget the state but

705
00:28:42,470 --> 00:28:41,039
anyway where farmers were killing

706
00:28:44,789 --> 00:28:42,480
themselves

707
00:28:48,070 --> 00:28:44,799
they would actually drink some a lot of

708
00:28:50,470 --> 00:28:48,080
them the roundup uh to kill themselves

709
00:28:53,430 --> 00:28:50,480
just as almost a sign that this is what

710
00:28:57,110 --> 00:28:53,440
did it to me um this caused that's in

711
00:28:59,830 --> 00:28:57,120
central india to ban gmo cotton another

712
00:29:02,389 --> 00:28:59,840
country that's banded so isn't it funny

713
00:29:05,350 --> 00:29:02,399

when they you know you might hear the uh

714

00:29:07,990 --> 00:29:05,360

monsanto hacks saying oh

715

00:29:09,510 --> 00:29:08,000

they don't know their science they don't

716

00:29:11,990 --> 00:29:09,520

you know they're saying gmos are

717

00:29:14,870 --> 00:29:12,000

dangerous and the science is against

718

00:29:16,789 --> 00:29:14,880

them well why have 50 countries uh

719

00:29:20,310 --> 00:29:16,799

required labeling why have so many

720

00:29:22,310 --> 00:29:20,320

countries banned uh gmos you know they

721

00:29:24,710 --> 00:29:22,320

must know something

722

00:29:27,590 --> 00:29:24,720

excuse me is italy or india are they

723

00:29:29,590 --> 00:29:27,600

like radical anti-capitalists i don't

724

00:29:32,950 --> 00:29:29,600

think so they're all about you know

725

00:29:34,710 --> 00:29:32,960

economy just like us

726

00:29:36,230 --> 00:29:34,720

so just on the face of it we can see

727

00:29:39,350 --> 00:29:36,240

that's a lie

728

00:29:43,029 --> 00:29:39,360

as far as american farmers or we'll say

729

00:29:47,750 --> 00:29:45,990

they have really gone after farmers

730

00:29:49,750 --> 00:29:47,760

they've really and because they're

731

00:29:50,789 --> 00:29:49,760

trying to pressure them into using the

732

00:29:53,029 --> 00:29:50,799

seed

733

00:29:55,669 --> 00:29:53,039

the problem another problem with gmos is

734

00:29:58,389 --> 00:29:55,679

that with cotton and

735

00:30:01,909 --> 00:29:58,399

soy you have pollen drift of course the

736

00:30:04,389 --> 00:30:01,919

pollen can go for miles for miles

737

00:30:05,830 --> 00:30:04,399

and that pollen can drift into your

738

00:30:07,190 --> 00:30:05,840

neighbors like from you say you're

739

00:30:09,669 --> 00:30:07,200

growing canola

740

00:30:13,190 --> 00:30:09,679

and especially canola it can drift by

741

00:30:13,909 --> 00:30:13,200

the wind into your neighbor's field now

742

00:30:19,350 --> 00:30:13,919

or

743

00:30:21,590 --> 00:30:19,360

been contaminated by gmos so if i am an

744

00:30:24,389 --> 00:30:21,600

organic farmer that means i can't sell

745

00:30:25,990 --> 00:30:24,399

it at all because organic legally means

746

00:30:28,630 --> 00:30:26,000

no gmos

747

00:30:30,789 --> 00:30:28,640

so right away it's hurting those farmers

748

00:30:31,990 --> 00:30:30,799

but there's more to it than that

749

00:30:34,710 --> 00:30:32,000

now

750

00:30:37,909 --> 00:30:34,720

monsanto can enter your field

751
00:30:40,230 --> 00:30:37,919
test find gmos and say you're illegally

752
00:30:42,230 --> 00:30:40,240
using our patented seeds

753
00:30:44,149 --> 00:30:42,240
they'll usually the farmers get a letter

754
00:30:46,470 --> 00:30:44,159
saying you owe us

755
00:30:49,269 --> 00:30:46,480
you know fifteen thirty thousand dollars

756
00:30:52,549 --> 00:30:49,279
in technology fees for really using it

757
00:30:53,830 --> 00:30:52,559
this is not speculative percy schmeiser

758
00:30:57,350 --> 00:30:53,840
is a

759
00:30:59,669 --> 00:30:57,360
he lives in saskatchewan a big canola

760
00:31:03,029 --> 00:30:59,679
country he's a seed developer using

761
00:31:06,070 --> 00:31:03,039
hybridization he developed canola canola

762
00:31:07,750 --> 00:31:06,080
is actually rapeseed they uh using

763
00:31:10,789 --> 00:31:07,760

traditional breeding methods they

764

00:31:14,230 --> 00:31:10,799

lowered the uricic acid making it quite

765

00:31:16,389 --> 00:31:14,240

tasty and so canola is means canadian

766

00:31:18,870 --> 00:31:16,399

oil that's how it was created there was

767

00:31:20,549 --> 00:31:18,880

yeah that's how we have canola

768

00:31:22,950 --> 00:31:20,559

yeah and it was great because you see

769

00:31:25,590 --> 00:31:22,960

how much canola is is used

770

00:31:27,190 --> 00:31:25,600

well what happened

771

00:31:29,830 --> 00:31:27,200

uh so

772

00:31:31,190 --> 00:31:29,840

uh pollen we don't know exactly how got

773

00:31:32,710 --> 00:31:31,200

into his field could have been pollen

774

00:31:34,630 --> 00:31:32,720

drift could have been the trucks from

775

00:31:36,950 --> 00:31:34,640

his neighbors and pollen whatever

776

00:31:39,350 --> 00:31:36,960

monsanto goes into his field they find

777

00:31:41,190 --> 00:31:39,360

his gmos they say

778

00:31:44,310 --> 00:31:41,200

you know the letter you owe us thirty

779

00:31:46,630 --> 00:31:44,320

thousand dollars schmeizer is a proud

780

00:31:48,470 --> 00:31:46,640

man he's you know he's been in politics

781

00:31:50,549 --> 00:31:48,480

and he he said no

782

00:31:53,029 --> 00:31:50,559

and he fought a legal battle against

783

00:31:55,350 --> 00:31:53,039

them it went all the way to the canadian

784

00:31:56,710 --> 00:31:55,360

supreme court we were hoping that the

785

00:31:58,710 --> 00:31:56,720

court would say

786

00:32:01,350 --> 00:31:58,720

throw out the whole idea of patenting

787

00:32:03,190 --> 00:32:01,360

life forms which is just plain wrong for

788

00:32:04,070 --> 00:32:03,200

so many reasons

789

00:32:06,149 --> 00:32:04,080

but

790

00:32:07,990 --> 00:32:06,159

uh it was a sort of half and half

791

00:32:09,909 --> 00:32:08,000

victory they didn't throw out patents as

792

00:32:10,870 --> 00:32:09,919

mafic they affirmed patents but they

793

00:32:13,190 --> 00:32:10,880

said

794

00:32:16,310 --> 00:32:13,200

percy schmeiser did not have to pay the

795

00:32:18,630 --> 00:32:16,320

technology fees by monsanto however he

796

00:32:20,310 --> 00:32:18,640

had spent

797

00:32:23,430 --> 00:32:20,320

half a million to three-quarters of a

798

00:32:26,470 --> 00:32:23,440

million in legal expenses a lot of it

799

00:32:27,990 --> 00:32:26,480

was raised through him just touring i he

800

00:32:29,509 --> 00:32:28,000

came to st louis several times i had the

801
00:32:30,549 --> 00:32:29,519
opportunity to meet him and talk with

802
00:32:33,269 --> 00:32:30,559
him

803
00:32:35,430 --> 00:32:33,279
he said i'm a seed developer why i knew

804
00:32:37,430 --> 00:32:35,440
about those seeds i don't want them i

805
00:32:39,350 --> 00:32:37,440
you know i know how to grow canola and i

806
00:32:41,269 --> 00:32:39,360
don't need it i never liked the idea

807
00:32:43,669 --> 00:32:41,279
monsanto go to their website they'll say

808
00:32:46,549 --> 00:32:43,679
oh yeah his fields had all this gmos he

809
00:32:48,710 --> 00:32:46,559
had to have been stealing seeds all lies

810
00:32:51,110 --> 00:32:48,720
and it's been verified but this is

811
00:32:53,750 --> 00:32:51,120
what's happened you bowman another uh

812
00:32:54,870 --> 00:32:53,760
case what he did is he went to a grain

813
00:32:57,909 --> 00:32:54,880

elevator

814

00:33:00,549 --> 00:32:57,919

uh that had soy in it and we all know

815

00:33:02,230 --> 00:33:00,559

what a grain elevator right is yeah just

816

00:33:03,990 --> 00:33:02,240

some audiences you know

817

00:33:06,230 --> 00:33:04,000

i didn't grow up on a farm i had to

818

00:33:08,870 --> 00:33:06,240

learn all this stuff so he goes the

819

00:33:11,029 --> 00:33:08,880

grain elevator and he buys a bunch of

820

00:33:12,630 --> 00:33:11,039

the soy there well guess what of course

821

00:33:15,110 --> 00:33:12,640

since 90

822

00:33:17,430 --> 00:33:15,120

plus of all soy is genetically modified

823

00:33:19,350 --> 00:33:17,440

he knew that hey these seeds you know

824

00:33:21,990 --> 00:33:19,360

they're going to be genetically i can

825

00:33:23,669 --> 00:33:22,000

just use them and then i can have the

826

00:33:26,630 --> 00:33:23,679

roundup ready or the glyphosate

827

00:33:29,110 --> 00:33:26,640

resistant trait in there uh he did it

828

00:33:32,470 --> 00:33:29,120

rather blatantly i think you know but

829

00:33:34,389 --> 00:33:32,480

maybe he did it as a a way to you know

830

00:33:36,950 --> 00:33:34,399

uh encourage farmers to stand up to

831

00:33:39,990 --> 00:33:36,960

monsanto well they took him the court

832

00:33:42,549 --> 00:33:40,000

too and he lost they said even though he

833

00:33:44,950 --> 00:33:42,559

bought that product secondarily the

834

00:33:47,269 --> 00:33:44,960

patent still applies to him this of

835

00:33:50,149 --> 00:33:47,279

course shows you the control they have

836

00:33:52,549 --> 00:33:50,159

now the pollen and the genes are getting

837

00:33:55,029 --> 00:33:52,559

everywhere just like their dirty pcbs

838

00:33:56,870 --> 00:33:55,039

got everywhere and made so many people

839

00:33:58,870 --> 00:33:56,880

sick

840

00:34:00,870 --> 00:33:58,880

you know there's probably pcbs by the

841

00:34:03,830 --> 00:34:00,880

way in every one of us trace amounts i

842

00:34:06,389 --> 00:34:03,840

would hope but anyway

843

00:34:07,590 --> 00:34:06,399

that so this extended the power of their

844

00:34:10,869 --> 00:34:07,600

patents

845

00:34:13,589 --> 00:34:10,879

and again as i say traditional varieties

846

00:34:16,069 --> 00:34:13,599

uh are are disappearing and we have the

847

00:34:18,149 --> 00:34:16,079

problem of mono cropping not to get into

848

00:34:20,869 --> 00:34:18,159

that too much but mono cropping is where

849

00:34:24,230 --> 00:34:20,879

you have a huge field of one crop it

850

00:34:26,790 --> 00:34:24,240

invites insects viruses pests because

851
00:34:29,430 --> 00:34:26,800
there's one that's not natural at all

852
00:34:32,790 --> 00:34:31,190
so anyway

853
00:34:35,829 --> 00:34:32,800
but he you know going back to bowman

854
00:34:38,149 --> 00:34:35,839
yeah he he lost that case and uh

855
00:34:41,270 --> 00:34:38,159
now monsanto will claim you know that oh

856
00:34:43,430 --> 00:34:41,280
we don't bully farmers there's only been

857
00:34:45,990 --> 00:34:43,440
several hundred farmers that we've you

858
00:34:48,069 --> 00:34:46,000
know taken court like this you know it's

859
00:34:49,909 --> 00:34:48,079
not like this

860
00:34:50,950 --> 00:34:49,919
well guess what

861
00:34:54,069 --> 00:34:50,960
say

862
00:34:56,230 --> 00:34:54,079
on your farm you see your neighbor being

863
00:34:58,150 --> 00:34:56,240

you know having to spend so much time

864

00:35:00,470 --> 00:34:58,160

again bowman's case went to the supreme

865

00:35:02,710 --> 00:35:00,480

court you can imagine the cost and legal

866

00:35:04,870 --> 00:35:02,720

fees you can imagine the heartache percy

867

00:35:07,589 --> 00:35:04,880

schmeiser who i talked to talked about

868

00:35:10,630 --> 00:35:07,599

how the strain it put on his family that

869

00:35:13,030 --> 00:35:10,640

raised that money he had a tour you know

870

00:35:14,390 --> 00:35:13,040

and most farmers are like they live in

871

00:35:17,109 --> 00:35:14,400

the country because they just want to be

872

00:35:20,310 --> 00:35:17,119

left alone they don't want this it's

873

00:35:22,390 --> 00:35:20,320

like the thug only has to harass one

874

00:35:24,390 --> 00:35:22,400

person on your block to make everyone

875

00:35:25,190 --> 00:35:24,400

else fall in line right

876

00:35:27,109 --> 00:35:25,200

so

877

00:35:29,349 --> 00:35:27,119

they don't have to harass every farmer

878

00:35:31,190 --> 00:35:29,359

the farmers get the message and if you

879

00:35:33,589 --> 00:35:31,200

talk to farmers

880

00:35:35,670 --> 00:35:33,599

you know off the record a lot of them

881

00:35:37,990 --> 00:35:35,680

will tell you well you know they might

882

00:35:40,710 --> 00:35:38,000

like the product or they did when they

883

00:35:42,069 --> 00:35:40,720

work the gmo seeds but

884

00:35:44,069 --> 00:35:42,079

they don't particularly like monster

885

00:35:46,710 --> 00:35:44,079

they don't like signing contracts they

886

00:35:49,109 --> 00:35:46,720

don't like signing five years uh

887

00:35:51,030 --> 00:35:49,119

technology agreements they don't like

888

00:35:52,150 --> 00:35:51,040

the idea that monsanto the part of this

889

00:35:53,589 --> 00:35:52,160

contract

890

00:35:56,390 --> 00:35:53,599

with monsanto says they can come into

891

00:35:57,750 --> 00:35:56,400

your field anytime to inspect

892

00:35:58,390 --> 00:35:57,760

you know

893

00:36:02,630 --> 00:35:58,400

so

894

00:36:05,670 --> 00:36:02,640

um yes monsanto bullying farmers um we

895

00:36:07,190 --> 00:36:05,680

talked about the cotton failures and um

896

00:36:10,710 --> 00:36:07,200

in india

897

00:36:13,030 --> 00:36:10,720

it's a little bit oh latin america um oh

898

00:36:15,670 --> 00:36:13,040

my goodness the alta plano and that's uh

899

00:36:18,550 --> 00:36:15,680

the high plains in um

900

00:36:21,589 --> 00:36:18,560

uh brazil and others right there up in

901
00:36:25,190 --> 00:36:21,599
the mountains it's become a desert of

902
00:36:27,510 --> 00:36:25,200
gmo soy they have they have taken land

903
00:36:29,990 --> 00:36:27,520
away from small farmers and indigenous

904
00:36:32,390 --> 00:36:30,000
peoples forced them off the land so that

905
00:36:35,750 --> 00:36:32,400
they can pres they uh they are saying

906
00:36:38,069 --> 00:36:35,760
that in some parts you can stand at a

907
00:36:39,589 --> 00:36:38,079
point a high point and see nothing but

908
00:36:41,670 --> 00:36:39,599
corn

909
00:36:44,470 --> 00:36:41,680
you know anything about agriculture this

910
00:36:47,030 --> 00:36:44,480
is asking for a disaster mono cropping

911
00:36:48,230 --> 00:36:47,040
is not good for the environment it

912
00:36:57,270 --> 00:36:48,240
invites

913
00:36:59,030 --> 00:36:57,280

those things that hurt crops

914

00:37:00,950 --> 00:36:59,040

if you want to know more about this very

915

00:37:03,349 --> 00:37:00,960

excellent book by this french woman

916

00:37:06,310 --> 00:37:03,359

marie monique robin the world according

917

00:37:09,270 --> 00:37:06,320

to monsanto she really talks about the

918

00:37:11,589 --> 00:37:09,280

central american situation plus monsanto

919

00:37:13,910 --> 00:37:11,599

sorted past this is the best source in

920

00:37:16,390 --> 00:37:13,920

one place that i could find there's also

921

00:37:18,150 --> 00:37:16,400

a video she made which we have available

922

00:37:20,870 --> 00:37:18,160

i don't have with me if anyone's or if

923

00:37:23,589 --> 00:37:20,880

you as a group or individuals want it we

924

00:37:25,190 --> 00:37:23,599

can get you copies of the video we have

925

00:37:27,190 --> 00:37:25,200

multiple copies it's called the world

926
00:37:28,950 --> 00:37:27,200
according to monsanto

927
00:37:31,670 --> 00:37:28,960
all right

928
00:37:34,630 --> 00:37:31,680
i saved let's see i think the best for

929
00:37:37,270 --> 00:37:34,640
last and that is human health

930
00:37:39,109 --> 00:37:37,280
i think of course people are wonder

931
00:37:40,470 --> 00:37:39,119
ultimately what does it do to me and my

932
00:37:41,349 --> 00:37:40,480
kids

933
00:37:43,670 --> 00:37:41,359
all right

934
00:37:46,870 --> 00:37:43,680
well

935
00:37:49,270 --> 00:37:46,880
montana got a patent on this now to get

936
00:37:50,630 --> 00:37:49,280
the patent wasn't it adequately tested

937
00:37:53,589 --> 00:37:50,640
for safety

938
00:37:56,390 --> 00:37:53,599

the answer is not at all

939

00:37:58,550 --> 00:37:56,400

you see michael taylor who is an ex

940

00:38:02,069 --> 00:37:58,560

monsanto employee

941

00:38:04,630 --> 00:38:02,079

works as the fda food safety czar

942

00:38:07,990 --> 00:38:04,640

and in the 90s michael taylor

943

00:38:09,990 --> 00:38:08,000

who is still in the fda in this position

944

00:38:13,670 --> 00:38:10,000

he decreed

945

00:38:15,510 --> 00:38:13,680

gmo crops are substantially equivalent

946

00:38:17,829 --> 00:38:15,520

to standard crops

947

00:38:20,470 --> 00:38:17,839

in other words they're the same we don't

948

00:38:22,550 --> 00:38:20,480

need to test them so the industry did

949

00:38:25,109 --> 00:38:22,560

some tests nine week

950

00:38:27,510 --> 00:38:25,119

you know nothing studies oh yeah we did

951

00:38:31,349 --> 00:38:27,520

test it's safe everything's fine

952

00:38:33,670 --> 00:38:31,359

this is duplicitous to say the least

953

00:38:36,310 --> 00:38:33,680

how can they say that it's substantially

954

00:38:38,310 --> 00:38:36,320

equivalent and yet award a patent

955

00:38:40,950 --> 00:38:38,320

patents are awarded because you have

956

00:38:42,870 --> 00:38:40,960

something that is unique novel never

957

00:38:45,430 --> 00:38:42,880

been done before

958

00:38:46,870 --> 00:38:45,440

how is it that monsanto can get a patent

959

00:38:47,829 --> 00:38:46,880

on something that's a substantial

960

00:38:50,069 --> 00:38:47,839

equipment

961

00:38:53,109 --> 00:38:50,079

substantially equivalent

962

00:38:54,950 --> 00:38:53,119

they get it both ways

963

00:38:56,950 --> 00:38:54,960

clarence thomas

964

00:38:58,310 --> 00:38:56,960

ex-monsanto employee

965

00:39:00,150 --> 00:38:58,320

and venomon

966

00:39:02,150 --> 00:39:00,160

ex used to be the secretary of

967

00:39:04,310 --> 00:39:02,160

agriculture i forget under who

968

00:39:06,230 --> 00:39:04,320

ex-monsanto employee

969

00:39:08,550 --> 00:39:06,240

there is a revolving door i could give

970

00:39:10,710 --> 00:39:08,560

you a lot go on websites we can direct

971

00:39:14,390 --> 00:39:10,720

it to

972

00:39:15,750 --> 00:39:14,400

a revolving door between regulators and

973

00:39:18,550 --> 00:39:15,760

monsanto

974

00:39:19,990 --> 00:39:18,560

they contribute heavily to political

975

00:39:21,829 --> 00:39:20,000

campaigns

976

00:39:24,150 --> 00:39:21,839

especially in this state as you can

977

00:39:25,349 --> 00:39:24,160

imagine they've got

978

00:39:28,550 --> 00:39:25,359

the courts

979

00:39:32,069 --> 00:39:28,560

they've got the legislative and they've

980

00:39:36,150 --> 00:39:32,079

got uh executive all in their pocket you

981

00:39:38,950 --> 00:39:36,160

know i there's lots of other examples so

982

00:39:40,310 --> 00:39:38,960

um there have been independent tests the

983

00:39:42,870 --> 00:39:40,320

most uh the

984

00:39:45,270 --> 00:39:42,880

most famous ones were our pod pushdai he

985

00:39:47,270 --> 00:39:45,280

was from the rohit institute in scotland

986

00:39:49,670 --> 00:39:47,280

he was not uh

987

00:39:51,430 --> 00:39:49,680

this guy is anything but like a hippie

988

00:39:53,270 --> 00:39:51,440

activist or anything like that he was

989

00:39:55,670 --> 00:39:53,280

the most one of the most respected

990

00:39:58,790 --> 00:39:55,680

scientists he thought they were fine he

991

00:40:01,349 --> 00:39:58,800

did a good test on gmo potatoes

992

00:40:04,470 --> 00:40:01,359

rats developed tumors

993

00:40:08,950 --> 00:40:04,480

you know all sorts of um low low weight

994

00:40:10,790 --> 00:40:08,960

premature deaths uh premature births um

995

00:40:12,470 --> 00:40:10,800

all these health problems

996

00:40:14,150 --> 00:40:12,480

he tried you know before he had a chance

997

00:40:15,430 --> 00:40:14,160

to publish the study he talked about it

998

00:40:19,190 --> 00:40:15,440

on tv

999

00:40:21,990 --> 00:40:19,200

um they accused him of bad science and

1000

00:40:25,030 --> 00:40:22,000

suppressed the study denied it uh

1001

00:40:27,990 --> 00:40:25,040

he was fired from his job uh his his

1002

00:40:29,270 --> 00:40:28,000

study was later peer reviewed and

1003

00:40:32,470 --> 00:40:29,280

you know the scientific community

1004

00:40:33,270 --> 00:40:32,480

sounded a very good test um

1005

00:40:36,230 --> 00:40:33,280

uh

1006

00:40:41,109 --> 00:40:36,240

irena ermakova of russia is also had

1007

00:40:44,790 --> 00:40:43,510

however the latest study the one to look

1008

00:40:47,349 --> 00:40:44,800

at is the

1009

00:40:48,710 --> 00:40:47,359

cerellini study he's a frenchman you may

1010

00:40:51,190 --> 00:40:48,720

have heard about it it was in the news

1011

00:40:53,829 --> 00:40:51,200

and it should be still in the news

1012

00:40:57,349 --> 00:40:53,839

this study is the center of the gmo

1013

00:41:00,950 --> 00:40:57,359

safety universe uh i think it's jill's

1014

00:41:04,230 --> 00:41:00,960

cerelini a frenchman and he did a study

1015

00:41:06,630 --> 00:41:04,240

and of course souza came out Monsanto

1016

00:41:08,630 --> 00:41:06,640

about a year ago oh this is bad science

1017

00:41:10,470 --> 00:41:08,640

bad science well why did they say it was

1018

00:41:13,109 --> 00:41:10,480

bad science well

1019

00:41:15,190 --> 00:41:13,119

it was only done for two years he admits

1020

00:41:17,670 --> 00:41:15,200

himself that there are inconclusive

1021

00:41:20,870 --> 00:41:17,680

results in places oh and the rats he

1022

00:41:23,109 --> 00:41:20,880

used the rats he used they're prone to

1023

00:41:24,390 --> 00:41:23,119

tumors anyway

1024

00:41:26,790 --> 00:41:24,400

well guess what

1025

00:41:29,270 --> 00:41:26,800

the rats that Monsanto used for their

1026

00:41:30,870 --> 00:41:29,280

study were the same rats

1027

00:41:32,950 --> 00:41:30,880

i've looked up i talked to scientists

1028

00:41:34,950 --> 00:41:32,960

say of course you use rats that are

1029

00:41:36,550 --> 00:41:34,960

prone to tumors you want to see if they

1030

00:41:38,550 --> 00:41:36,560

show up

1031

00:41:40,390 --> 00:41:38,560

these rats were filled with tumors by

1032

00:41:42,710 --> 00:41:40,400

the way i see you can see the pictures

1033

00:41:44,150 --> 00:41:42,720

online

1034

00:41:46,870 --> 00:41:44,160

as far as the

1035

00:41:49,190 --> 00:41:46,880

studies the only two years monsanto

1036

00:41:52,470 --> 00:41:49,200

studies were nine

1037

00:41:55,270 --> 00:41:52,480

nine weeks and guess what the rats

1038

00:41:57,990 --> 00:41:55,280

developed the health problems after nine

1039

00:42:01,990 --> 00:41:58,000

weeks the premature weights organ

1040

00:42:03,990 --> 00:42:02,000

internal organ damage leaky gut

1041

00:42:06,870 --> 00:42:04,000

in fact uh

1042

00:42:10,390 --> 00:42:06,880

you know and as far as inconclusive

1043

00:42:13,750 --> 00:42:10,400

well guess what most scientific studies

1044

00:42:15,910 --> 00:42:13,760

are inconclusive it's a lot you can't

1045

00:42:17,990 --> 00:42:15,920

you have to do repeated testing that's

1046

00:42:20,390 --> 00:42:18,000

if you really want to know

1047

00:42:22,950 --> 00:42:20,400

you have to do repeated testing so in a

1048

00:42:24,950 --> 00:42:22,960

good scientific world scientists would

1049

00:42:27,430 --> 00:42:24,960

have said and a lot did hey we need to

1050

00:42:29,910 --> 00:42:27,440

do more and long-term studies this this

1051

00:42:32,390 --> 00:42:29,920

is a red flag folks but of course

1052

00:42:35,030 --> 00:42:32,400

monsanto which is seeking put all their

1053

00:42:37,430 --> 00:42:35,040

money and we're talking big money folks

1054

00:42:39,750 --> 00:42:37,440

we're talking really big not only big

1055

00:42:42,069 --> 00:42:39,760

money but international control this is

1056

00:42:44,309 --> 00:42:42,079

control of the world's food supply we're

1057

00:42:46,710 --> 00:42:44,319

talking about they are selling in every

1058

00:42:48,470 --> 00:42:46,720

every continent except antarctica you

1059

00:42:51,430 --> 00:42:48,480

know they've got sales where they're not

1060

00:42:52,150 --> 00:42:51,440

banned um

1061

00:42:53,589 --> 00:42:52,160

so

1062

00:42:55,589 --> 00:42:53,599

um

1063

00:42:57,270 --> 00:42:55,599

all right let's uh let me wrap up i

1064

00:42:59,430 --> 00:42:57,280

think i've thrown a lot at you and i'm

1065

00:43:02,309 --> 00:42:59,440

sure there'll be questions what can you

1066

00:43:03,829 --> 00:43:02,319

do about it all right one thing is is

1067

00:43:05,910 --> 00:43:03,839

that

1068

00:43:08,069 --> 00:43:05,920

even though many countries 50 countries

1069

00:43:10,710 --> 00:43:08,079

and several state legislatures now have

1070

00:43:12,870 --> 00:43:10,720

mandated labeling of gmos

1071

00:43:16,069 --> 00:43:12,880

monsanto has fought at tooth and nail

1072

00:43:18,470 --> 00:43:16,079

most famously in um washington oregon

1073

00:43:20,630 --> 00:43:18,480

i'm sorry in california where they and

1074

00:43:21,990 --> 00:43:20,640

the grocery manufacturers association

1075

00:43:24,950 --> 00:43:22,000

and other food groups are heavily

1076

00:43:26,790 --> 00:43:24,960

invested in gmos uh put

1077

00:43:27,829 --> 00:43:26,800

tens of millions of dollars i forget

1078

00:43:29,829 --> 00:43:27,839

what they

1079

00:43:32,390 --> 00:43:29,839

against statement you know the states

1080

00:43:34,550 --> 00:43:32,400

had on referendums and

1081

00:43:36,309 --> 00:43:34,560

even though early polls showed that you

1082

00:43:39,510 --> 00:43:36,319

know 90 percent of people favored

1083

00:43:40,870 --> 00:43:39,520

labeling they put on these ads contests

1084

00:43:43,430 --> 00:43:40,880

it'll you know

1085

00:43:45,589 --> 00:43:43,440

the agricultural industry in california

1086

00:43:48,069 --> 00:43:45,599

will be destroyed by this your food

1087

00:43:49,430 --> 00:43:48,079

prices will skyrocket and other such

1088

00:43:51,510 --> 00:43:49,440

lies

1089

00:43:54,470 --> 00:43:51,520

that they knew to be untrue

1090

00:43:57,190 --> 00:43:54,480

uh so anyway most people are unaware

1091

00:43:59,349 --> 00:43:57,200

just how ubiquitous gmos are if unless

1092

00:44:00,550 --> 00:43:59,359

you're eating organic or being really

1093

00:44:02,470 --> 00:44:00,560

careful

1094

00:44:04,790 --> 00:44:02,480

you're eating gmos especially in

1095

00:44:06,950 --> 00:44:04,800

processed foods so we need to have

1096

00:44:08,950 --> 00:44:06,960

labeling is the first thing

1097

00:44:10,710 --> 00:44:08,960

um who should we be telling what you

1098

00:44:13,190 --> 00:44:10,720

know we want labeling well you want your

1099

00:44:14,550 --> 00:44:13,200

legislators but i would say go to your

1100

00:44:19,030 --> 00:44:14,560

supermarket

1101

00:44:21,589 --> 00:44:19,040

i go into schnooks and they have a whole

1102

00:44:23,030 --> 00:44:21,599

organic line all these all these has an

1103

00:44:24,710 --> 00:44:23,040

organic line

1104

00:44:27,430 --> 00:44:24,720

because people have said we are

1105

00:44:30,069 --> 00:44:27,440

concerned about pesticides and chemicals

1106

00:44:32,390 --> 00:44:30,079

in our food people are becoming

1107

00:44:35,670 --> 00:44:32,400

food conscious so talk to your

1108

00:44:38,630 --> 00:44:35,680

supermarket um about it talk to your

1109

00:44:40,710 --> 00:44:38,640

legislator uh we um

1110

00:44:43,349 --> 00:44:40,720

gmo free midwest

1111

00:44:45,829 --> 00:44:43,359

and join a national campaign to get uh

1112

00:44:47,750 --> 00:44:45,839

whole foods who is supposedly or but you

1113

00:44:50,470 --> 00:44:47,760

know a lot of their foods have gmos if

1114

00:44:52,309 --> 00:44:50,480

it doesn't say organic it could we had

1115

00:44:55,510 --> 00:44:52,319

you know we had demonstrations in front

1116

00:44:59,109 --> 00:44:55,520

we went inside the store uh we passed

1117

00:45:00,710 --> 00:44:59,119

out flyers and all this and well

1118

00:45:03,109 --> 00:45:00,720

so one day

1119

00:45:04,710 --> 00:45:03,119

me and another member of gmo freemius we

1120

00:45:05,910 --> 00:45:04,720

had on the hazmat suits you know the

1121

00:45:08,950 --> 00:45:05,920

whole thing the white suit and

1122

00:45:12,309 --> 00:45:08,960

everything this and we go in there and

1123

00:45:16,069 --> 00:45:12,319

we say hey we're here and we're here to

1124

00:45:18,950 --> 00:45:16,079

inspect your food and see what has gmos

1125

00:45:21,750 --> 00:45:18,960

and this time they go oh that's fine as

1126

00:45:23,349 --> 00:45:21,760

long as you don't hand out literature

1127

00:45:25,750 --> 00:45:23,359

and we're like what

1128

00:45:27,430 --> 00:45:25,760

yeah go ahead so we go in there and

1129

00:45:28,710 --> 00:45:27,440

people are coming up and saying what are

1130

00:45:30,390 --> 00:45:28,720

you here for and we could talk they

1131

00:45:32,069 --> 00:45:30,400

didn't say we were talking with people

1132

00:45:33,670 --> 00:45:32,079

oh let me have your pictures with them

1133

00:45:35,750 --> 00:45:33,680

and we would say i see this food and

1134

00:45:37,510 --> 00:45:35,760

this said it says sugar here but it

1135

00:45:40,390 --> 00:45:37,520

doesn't say cane sugar so that means it

1136

00:45:43,030 --> 00:45:40,400

could be gmos it's not labeled you don't

1137

00:45:45,910 --> 00:45:43,040

know and they so we knew a change was

1138

00:45:50,790 --> 00:45:45,920

and in fact whole foods announced that

1139

00:45:52,550 --> 00:45:50,800

they are going to phase out uh gmos um

1140

00:45:55,430 --> 00:45:52,560

in all their foods over the next and

1141

00:45:57,670 --> 00:45:55,440

2018 i believe the date they will try to

1142

00:46:00,069 --> 00:45:57,680

label everything and chipotle you know

1143

00:46:02,069 --> 00:46:00,079

that uh brand they have also said we're

1144

00:46:04,390 --> 00:46:02,079

going you know because they're reacting

1145

00:46:06,870 --> 00:46:04,400

to consumers demands and also these are

1146

00:46:09,109 --> 00:46:06,880

companies that are reasonable i mean why

1147

00:46:11,510 --> 00:46:09,119

are they demanding labeling because they

1148

00:46:14,069 --> 00:46:11,520

know there is you know

1149

00:46:16,790 --> 00:46:14,079

they're potentially dangerous

1150

00:46:19,589 --> 00:46:16,800

and i think that's really the the the

1151

00:46:22,150 --> 00:46:19,599

main thing is to get the supermarkets

1152

00:46:24,710 --> 00:46:22,160

because they will demand you know they

1153

00:46:27,750 --> 00:46:24,720

will and they have already um you know

1154

00:46:29,829 --> 00:46:27,760

reacted to consumer demand

1155

00:46:32,069 --> 00:46:29,839

gmo free midwest

1156

00:46:34,950 --> 00:46:32,079

works with the march against monsanto i

1157

00:46:36,870 --> 00:46:34,960

said may 24th we're having uh we'll have

1158

00:46:39,349 --> 00:46:36,880

another march there

1159

00:46:40,309 --> 00:46:39,359

we do presentations like this we've you

1160

00:46:42,390 --> 00:46:40,319

know

1161

00:46:44,870 --> 00:46:42,400

you name it letter writing

1162

00:46:47,270 --> 00:46:44,880

um some people want to do legislative

1163

00:46:49,670 --> 00:46:47,280

campaigns there's talk of a legislative

1164

00:46:51,589 --> 00:46:49,680

or a statewide referendum on labeling in

1165

00:46:53,270 --> 00:46:51,599

missouri uh

1166

00:46:55,430 --> 00:46:53,280

fight the good fight that's great i

1167

00:46:57,910 --> 00:46:55,440

think that it's tough because i've you

1168

00:47:00,630 --> 00:46:57,920

know if it can't happen in california in

1169

00:47:02,550 --> 00:47:00,640

monsanto and missouri but

1170

00:47:05,349 --> 00:47:02,560

everyone just needs to get the word out

1171

00:47:06,950 --> 00:47:05,359

i think people need to know

1172

00:47:09,190 --> 00:47:06,960

as i said

1173

00:47:10,870 --> 00:47:09,200

you can keep up with us website and

1174

00:47:13,670 --> 00:47:10,880

facebook page

1175

00:47:15,430 --> 00:47:13,680

i have sources we can get to the movie i

1176

00:47:17,510 --> 00:47:15,440

think the main thing is is to get the

1177

00:47:20,870 --> 00:47:17,520

word out because most people have no

1178

00:47:23,349 --> 00:47:20,880

idea and they only hear monsanto's uh