


Dr. Maynard Murray's Experiments Appendix

				RESULTS & OBSERVATIONS		Relative Advantage
Year	Produce	Feature	Specific Intervention	Control/Best Practice	Experimental/Sea Solids	of Experimental
1940	Peach Trees	Immunity	Curly Leaf Virus introduced	Sharply reduced yield/death	Normal yield/complete immunity	Significant
1940	Turnips	Immunity	Staphylococcus Bacteria introduced	Center rot/death	Completely normal w/o center rot	Significant
1940	Tomatoes	Immunity	Tobacco Mosaic Virus introduced	All died	Completely normal	Significant
1954	Tomatoes	Immunity	None	Heavy blight from fungus	Blight free	Significant
1954	Turnips	Immunity	None	Various diseases	Disease free	Significant
1954	Corn	Uniformity	None	Nubbins w/variation in size of stalk	Free of Nubbins w/no stalk size variation	4 bushels/acre extra
1955	Oats	Yield	None	38 bushels per acre	45 bushels per acre w/less rust	16% increase
1955	Corn	Yield	None	75 bushels per acre w/extensive gall	88 bushels per acre	15% increase
1955	Onions	Ash/Mineral	None	13.60%	14.20%	4.4% increase
	Oats	Ash/Mineral	None	87.70%	87.80%	0.1% increase
	Sweet Potatoes	Ash/Mineral	None	28.80%	31.20%	8.3% increase
	Tomatoes	Ash/Mineral	None	4.80%	5.70%	18.% increase
	Soy Beans	Ash/Mineral	None	73.90%	84.70%	14.6% increase
	Corn	Ash/Mineral	None	73.10%	74.40%	1.7% increase
1955	C ₃ H Mice	9 month life expect	None	All dead in 8 months and 7 days	Sacrificed @ 16 months/no cancer/10 litters	Significant
	Sprague Dolly Rats	Mortality	Injected w/Jensen Carcino-Sarcoma Cancer	All dead within 21 days	9 died within 40 days, 25 sacrificed at 5 months, 16 cancer free	Significant
	Sprague Dolly Rats	Mortality	Injected w/Jensen Carcino-Sarcoma Cancer, thymus gland implant	All dead within 23 days	4 dead, 52 sacrificed at 90 days, on sacrifice rats had no cancer detected	Significant
	Rabbits	Ailments	High cholesterol diet for six months	All dead within 10 months from hardening of the arteries	Sacrificed, no hardening of the arteries	Significant
	Rats	Fatal eye disease	None	All dead	Sacrificed, w/o deterioration, bred 5 litters	Significant
	Chickens	Feed consumed	None	3 lbs.	1.89 lbs	37% less feed
1956		Weight gain	None	Roosters 135 oz./Hens 96 oz.	Roosters 152 oz./Hens 114 oz.	12-16% increase
		Egg weight	None	24 oz. average	28 oz. average	14% increase
		Maturation	None	24.5 weeks	21.5 weeks	Earlier Maturation
		Mortality	None	3	0	No losses
		Worms	None	Yes	No	Significant
		Nervous condition	None	Yes	No	Significant
		Leg disjoints	None	Yes	No	Significant
		Size	None	Varied	Uniform	Significant
	Pigs	Behavior	None	Rooting	No Rooting	Significant
1956		Runting	None	Runting	No Runting	Significant
	Carrots	Vitamin A	None	19,800 IU vitamin A	23,400 IU vitamin A	18% increase
1957	Grapes	Sugar Content	None	13.60% total sugars	16.87% total sugars	20% increase
1957	Tomatoes	Vitamin C	None	13,000 IU vitamin C	18,300 IU vitamin C	25% increase
 PO Box 88237 Dunwoody, Ga. 30356 www.seaagri.com info@seaagri.com ph: 770-361-7003						
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