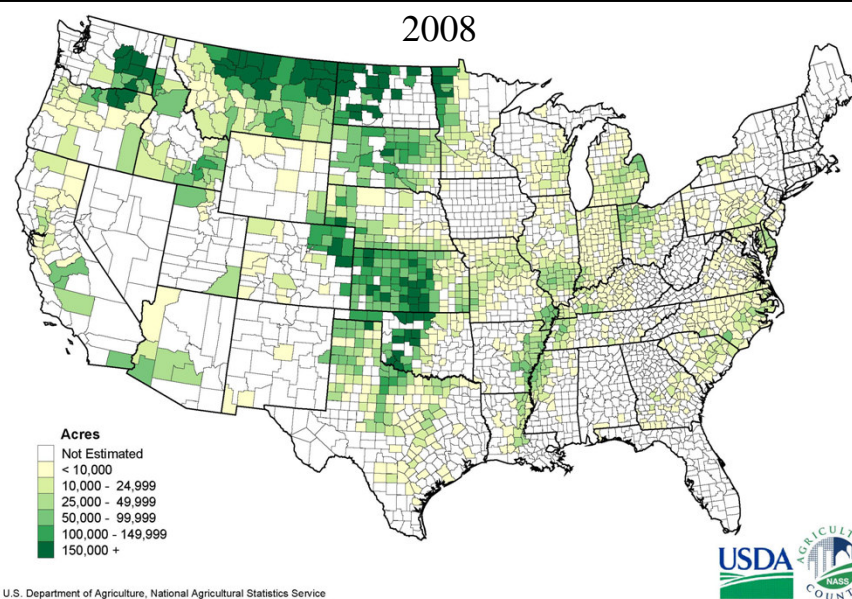
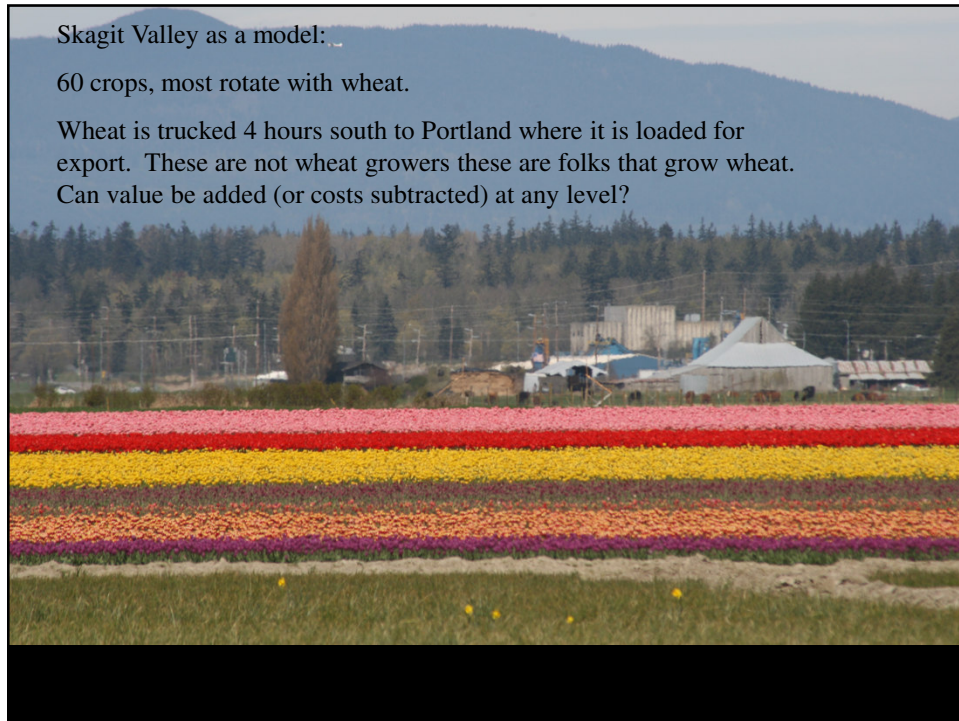


Fig. 3.—Outline map of the United States, showing the distribution of Marquis wheat in 1919. Each dot represents 1,000 acres or fraction thereof per county. Estimated area, 11,825,000 acres.







Why local grain?
Growers want it
- Rotations

The New York Times

Saving Seeds Subjects Farmers to Suits Over Patent

By ADAM LIPTAK

TUPELO, Miss., Oct. 30 — Homan McFarling has been farming here all his life, growing mostly soybeans along with a little corn. After each harvest, he puts some seed aside. "Every farmer that ever farmed has saved some of his seed to plant again," he said.

In 1998, Mr. McFarling bought 1,000 bags of genetically altered soybean seeds, and he did what he had always done. But the seeds, called Roundup Ready, are patented. When Monsanto, which holds the patent, learned what Mr. McFarling had done, it sued him in federal court in St. Louis for patent infringement and was awarded \$780,000.

The company calls the planting of saved seed piracy, and it says it has won millions of dollars from farmers in lawsuits and settlements in such cases. Mr. McFarling's is the first to reach a federal appeals court, which will consider how the law should reconcile patented food with a practice as old as farming itself.

If the appeals court rules against him, said Mr. McFarling, 61, he will be forced into bankruptcy and early retirement.

"It doesn't look right for them to have a patent on something that you can grow yourself," he said.

Janice Armstrong, a Monsanto spokeswoman, said the company invested hundreds of millions of dollars to develop the seed. "We need to protect our intellectual property so that we can continue to develop the next wave of products," she said.

Were farmers allowed to replant the seed, the company said in its appeals court brief, "Monsanto would effectively, and rapidly, lose control of its rights."

That is because one bag of the patented seed can produce about 36

Why local grain?

Rent your seed or own it?

occurred to him, until Monsanto contacted him with a \$135,000 settlement offer, that he had done anything unlawful. He had paid about \$24,000 for 1,000 bags of seeds, including a "technology fee" of \$6.50 per bag.

The contract, which Monsanto calls a technology agreement, said buyers could use the seed "only for a single season" and could not "save any seed produced from this crop for replanting."

One judge, dissenting in an earlier appeal that upheld an injunction against Mr. McFarling, wrote that the boilerplate contract did not give Mr. McFarling a fighting chance.

"The terms printed on the reverse of the technology agreement are not subject to negotiation and Monsanto's billions of dollars in assets far exceed McFarling's alleged net worth of \$75,000," wrote Judge Raymond C. Clevenger III of the United States Court of Appeals for the Federal Circuit. The same court is hearing Mr. McFarling's second appeal.

"Even an attorney reading the technology agreement might not understand that it purports to subject one to patent liability in Missouri," where Monsanto is based, Judge Clevenger continued. Someone versed in the specialized decisions collected in law books might have understood it, he wrote, "but we may presume that few feed stores stock the Federal Reporter on their shelves."

Lawyers for the farmers here

WHAT'S THE MATTER WITH ARIZONA?

N OF HENRY ROTH

HARPER'S

HARPER'S MAGAZINE, JULY 2010

THE FOOD BUBBLE

HOW GOLDMAN SACHS AND WALL STREET STARVED MILLIONS AND GOT AWAY WITH IT

BY FREDERICK KAUFMAN

LE
Got Away with It

NORA
Look to Arizona

AND FREEDONIA

er

borska

15.99 US

077

9 1-09281-03052-7

Why local wheat?

-Is it OK that speculators in KC, Chicago and Minneapolis tell “out of place” growers what their wheat is worth?

Harper's July 2010



And this...

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WINTER 2011
Volume 4, No. 1

Applegate Valley Community Newspaper
Serving Jackson and Josephine Counties — Circulation: 9,000

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Growing grains on small farms

BY SHELLEY ELKOVICH

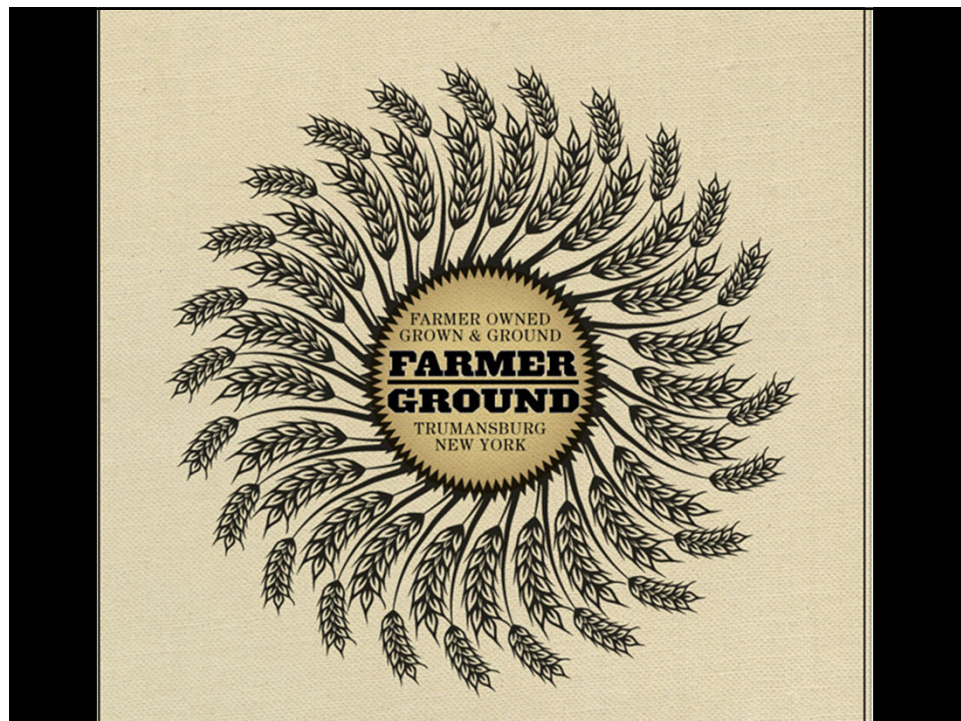
Amber waves of grain are rippling across a handful of small farms in Southern Oregon in what could be a resurgence in regional production. Last January, a group of bakers, brewers, chefs, millers and farmers met at OSU Extension in Central Point to collaborate on ways to meet consumer demand for locally-produced grain products.

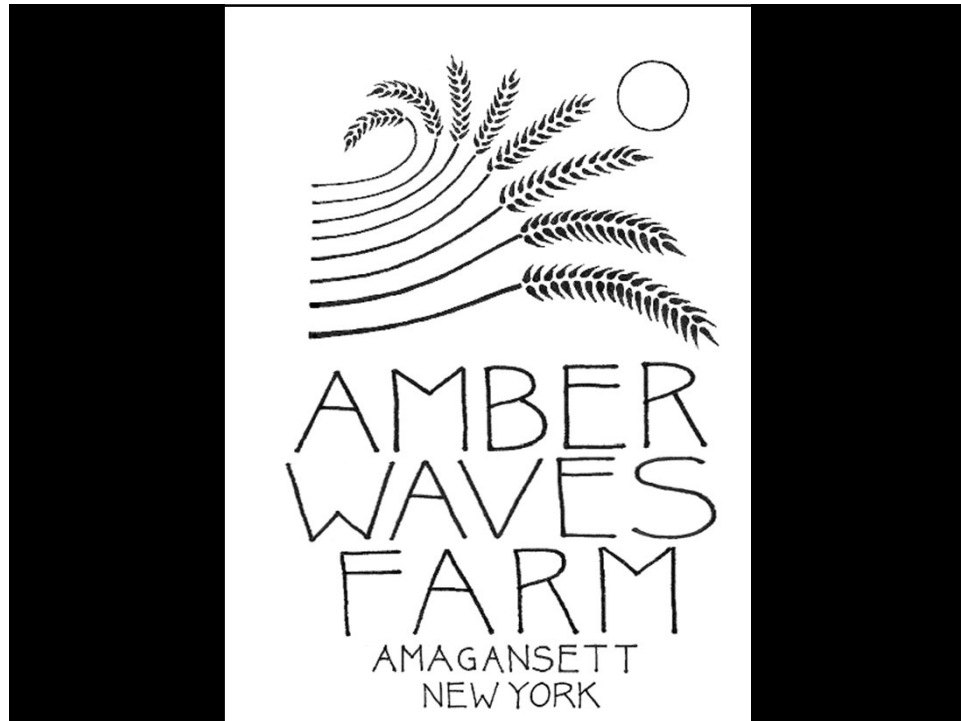
Eighty years ago, 41 varieties of wheat were grown on a million acres in Oregon. Small farms grew wheat. Today, there is much less wheat, and what is grown is mostly produced on the large commodity scale, such as the bigger farms in the Klamath basin. Wheat is still Oregon's fifth largest commodity crop, but 85% of it is exported, mostly to Pacific Rim countries.

Since Southwestern Oregon no longer produces much locally consumed grain, almost a generation of knowledge and infrastructure has been lost. Most farms in the region are small holdings, and part of looking toward a future that includes grain in the local economy involves looking back at cultivation methods of the past, when equipment and practices were scaled for smaller farms. In order to teach producers about grains, Small Farms staff Maud Powell and Shelley Elkovich planned a series of seven classes entitled, "Growing Grains on a Small Farm." The series, funded by a USDA Sustainable Agriculture Research and Education (SARE) grant, covers all aspects of grain production throughout the growing season. Each class

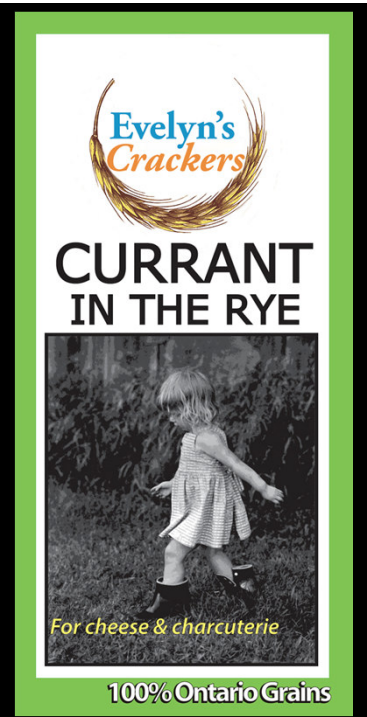


See GRAINS, page 3





Direct - farm to product
Patricia Hastings
Dawn Woodward



Make room for a wheat field beside the chicken coop

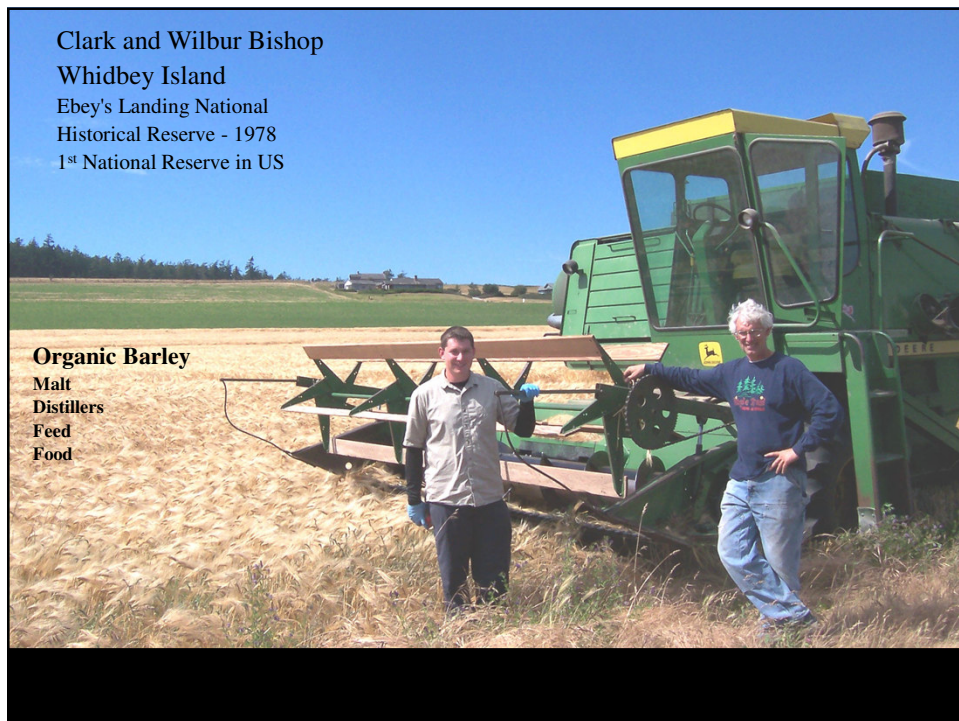
Group seeks funding for Lawns to Loaves pilot project

BY JEFF LEE, VANCOUVER SUN JUNE 14, 2011



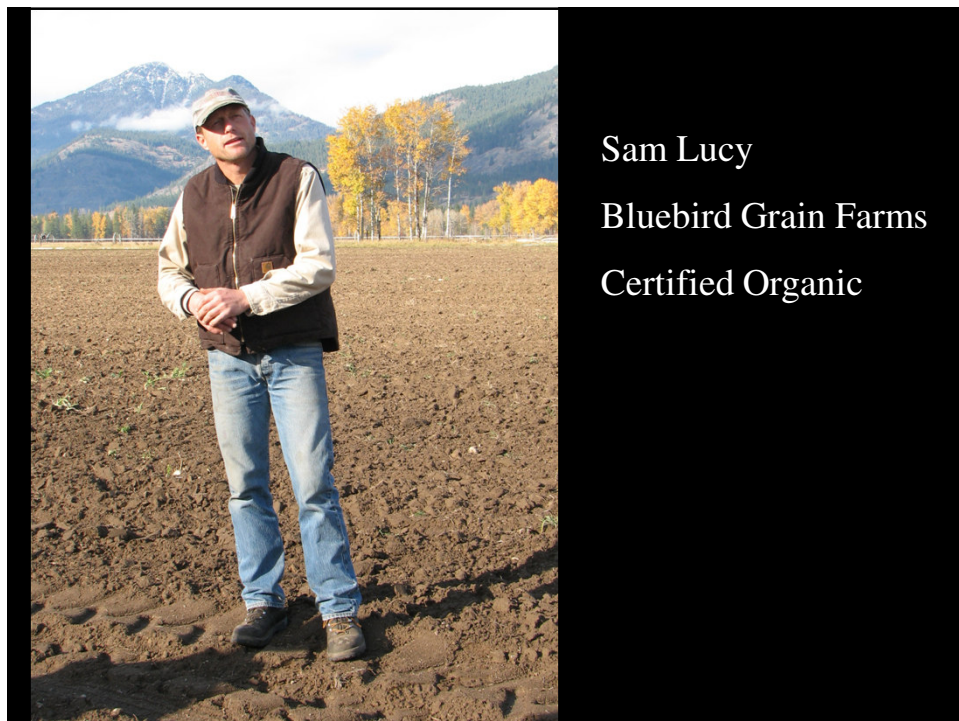
Andrew Whitley

Bread Matters - UK

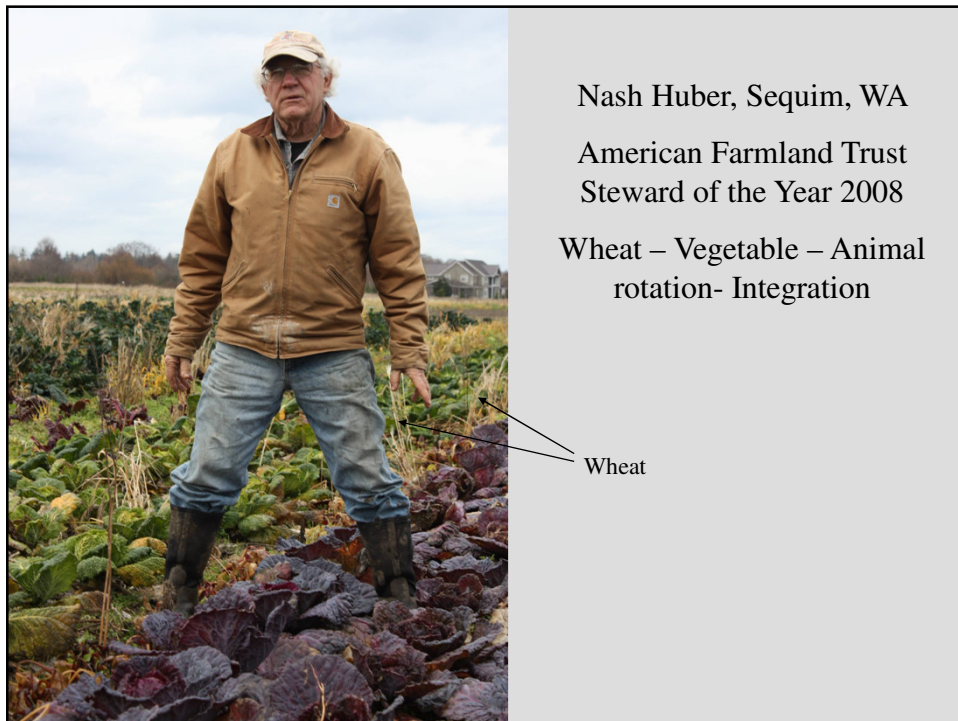




John Campbell, Marysville, WA



Sam Lucy
Bluebird Grain Farms
Certified Organic



Nash Huber, Sequim, WA

American Farmland Trust


Steward of the Year 2008

Wheat – Vegetable – Animal
rotation- Integration

Wheat



Hanley Farm



Horsepower Flour

Naturally Grown Whole Wheat Flour

Ingredients: Wheat, sunshine, rain.
Net Weight 2 Lbs

Thank you for purchasing Hanley Farm Horse Power Flour
Grown without pesticides or chemicals and harvested by hand and hoof the
old-fashioned way. Your purchase helps in sustaining one of
Southern Oregon's national historic landmarks.

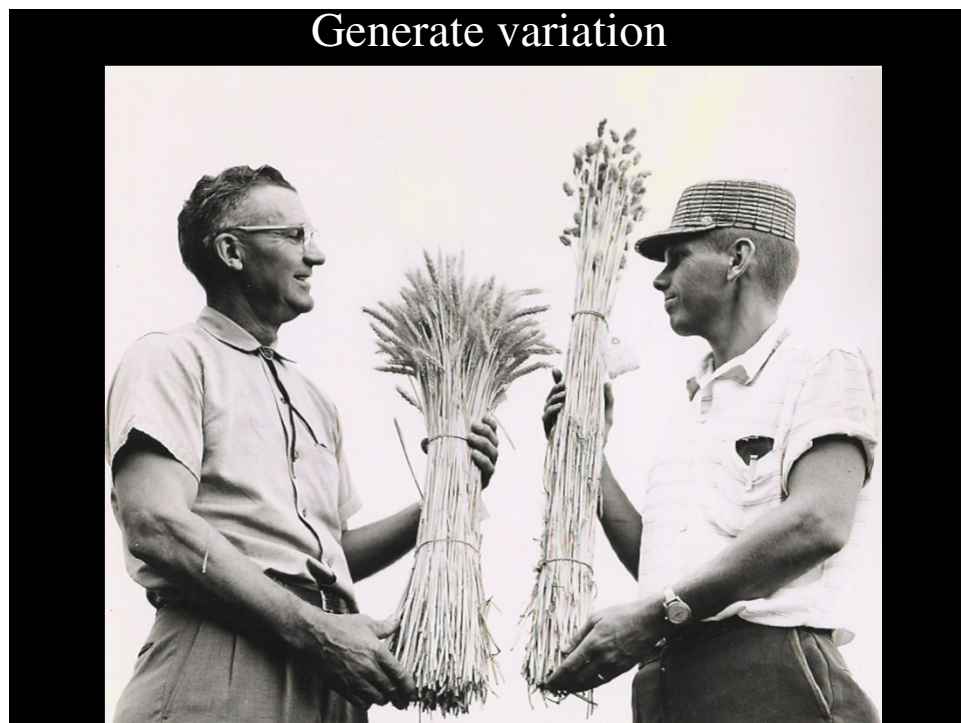
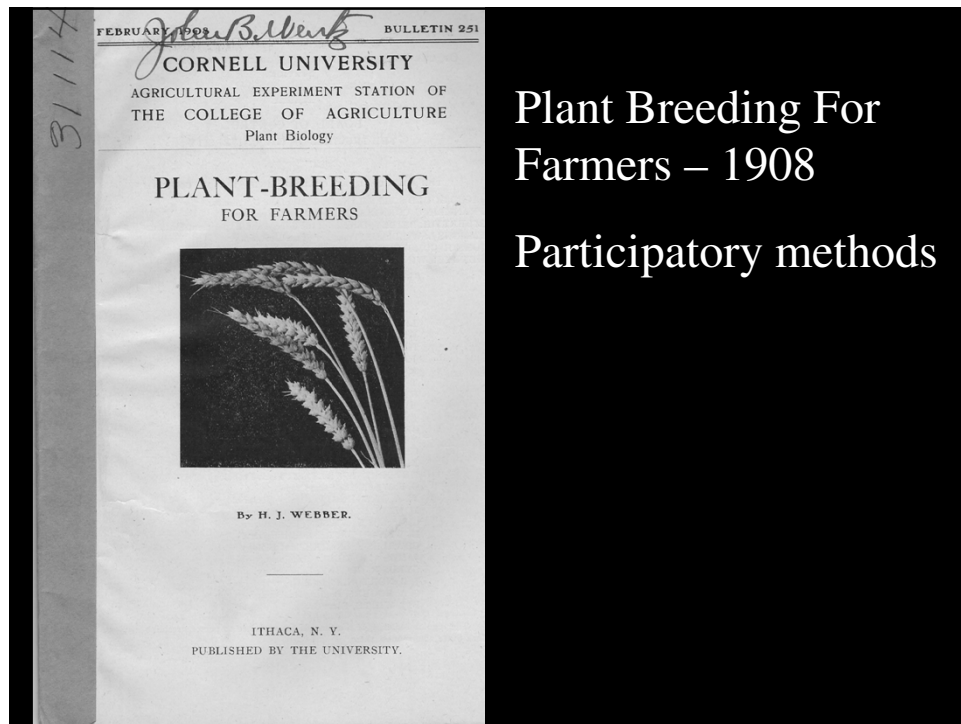
Farm Stand and
Coop Wheat.

We can breed for
it what about the
quality?

2012 WSU Variety Testing Soft White Winter Wheat Nursery
60 entries

Ave. high rainfall and Irrigated locations (5) in eastern WA			Mount Vernon	
Variety	Rank	Yield (bu/a)	Rank	Yield (bu/a)
Tubbs06	1	113	55	62.4
Xerpha	2	111	57	58.2
Chrystal	3	110	59	55.3
Mount Vernon			E. WA high rainfall zone	
Skiles	1	146.8	37	103
Cara	2	144.3	59	98
Otto	3	135.9	18	107

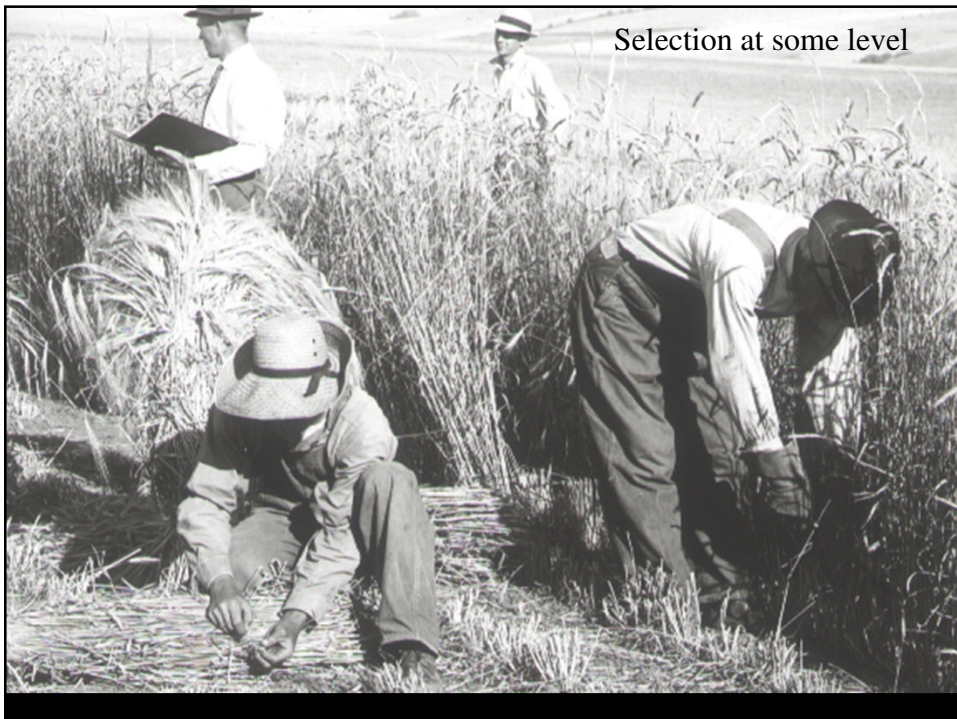




Get the variation in the field



Selection at some level





2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ST. ANDREWS, WA.

Variety Name *CUP SIZE	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LOGGING (%)	PLANT HT	HEAD DATE
WAD08054	--	--	51	75	60.0	11.2	0	36	167
FINCH	--	52	51	72	60.2	11.7	0	36	167
DYON 55-2 (BAR RAGE)	--	--	--	72	59.9	10.7	0	39	162
ARSS07070-5L	--	--	50	69	58.9	11.6	0	39	166
WAD08002	--	--	47	68	58.9	11.1	0	37	168
CHICKAR	--	48	54	66	58.1	10.8	0	37	167
XERPHIA	--	50	42	66	59.4	10.7	0	35	166
AKS07007-JC	--	--	54	66	60.2	12.6	0	37	166
GAKA	--	--	--	64	58.4	11.0	0	32	166
IB007475-2DH	--	--	--	64	58.8	11.7	0	34	165
BLURD	--	48	46	63	57.6	11.3	0	36	168
ELTANMADSEN	--	46	44	62	57.4	11.8	0	36	167
ARX0802	--	--	46	62	57.4	11.3	0	36	168
SKILES	--	45	46	61	58.7	10.9	0	33	165
GEORGE	--	51	45	60	58.7	10.6	0	36	168
CHICKAR	--	--	--	60	58.4	10.8	0	37	167
RJAMES	--	45	42	59	58.3	10.6	0	33	166
ARSS0027L	--	47	45	59	58.6	10.3	0	36	166
CODA	--	43	46	58	61.0	12.1	0	30	167
BRUNDAGE 56	--	44	44	58	58.9	12.1	0	35	165
TUBES 06	--	41	42	58	57.8	11.4	0	36	166
WAD08116	--	--	--	58	58.9	11.7	0	32	167
ELTAN	--	49	43	57	58.9	10.3	0	36	167
AKS07007-JC	--	43	42	57	58.9	11.3	0	37	166
MALAMI	--	43	43	56	57.8	10.6	0	36	167
BITTERROOT	--	39	40	56	59.4	10.8	0	34	167
ORCP-103	--	43	42	56	58.3	11.1	0	32	166
LEGION	--	41	41	55	57.5	11.0	0	36	166
GOETZ/SKILES	--	--	--	55	58.9	12.7	0	33	164
SIMON	--	37	40	54	58.5	11.4	0	33	165
AP LEGACY	--	40	42	54	59.3	10.8	0	36	163
ORD00706	--	--	--	54	58.5	10.9	0	30	163
CDC PTARMIGAN	--	--	41	53	57.5	11.2	0	39	163
WAD08117	--	--	--	53	59.2	10.9	0	31	167
AKS07007-JC	--	--	--	52	58.0	11.2	0	32	166
KCF9001	--	--	--	52	58.7	11.0	0	36	167
UCF BRUNDAGE	--	41	42	51	58.1	11.6	0	33	163
GAKA	--	40	44	50	57.9	10.4	0	33	167
WD-528	--	39	42	50	58.9	12.1	0	34	164
ROD	--	43	38	49	56.9	11.1	0	34	167
SALUTE	--	41	39	49	57.8	11.0	0	35	165
ROD/TUBES06	--	41	40	49	57.3	11.8	0	35	166
ORCP-102	--	38	39	48	59.4	11.1	0	35	165
BZEW02-616	--	--	34	48	59.2	10.9	0	34	162
WAD08115	--	--	--	48	58.8	11.4	0	32	162
REA STEPHENS	--	--	--	48	58.3	11.4	0	36	162
AP 700 CL	--	35	36	47	56.8	12.1	0	34	166
WAD08053	--	--	34	47	57.4	11.8	0	34	165
KCF9003	--	--	--	47	58.9	11.5	0	42	164
LUMBERT	--	40	37	46	57.4	11.8	0	36	164
STEPHENS	--	34	35	46	57.9	10.9	0	31	163
MADSENROD	--	40	35	45	57.2	11.4	0	34	167
ORD00355	--	--	--	45	56.8	11.6	0	32	165
ELTAN/TUBES06	--	42	36	44	58.2	10.8	0	37	165

Does Evolutionary-
Participatory
Breeding Work?

Lexi II yielded
above 59 other
varieties (from 11
programs) in a state
wide test in 2010.

Yes it works.









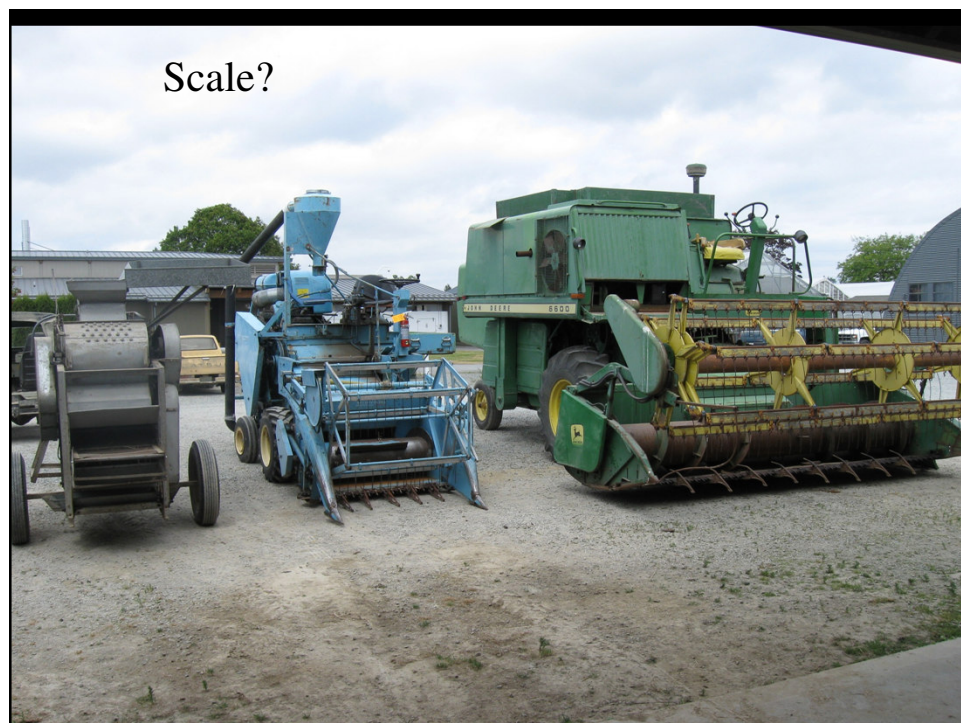
Charlie Dykstra
Organic Valley Dairy

Fodder Sprouts
20 pounds per day/cow

Removed canola from
ration saving \$6K per
month



Small animals on small and large farms



Current Funding:

Clif Bar Family Foundation **3 PhDs**

Organically Grown Company **partial PhD**

Port of Skagit **partial PhD and Bread Lab**

Town of La Conner **PhD**

Private Foundation Whatcom County **Bread Lab**

Individual farmers **Perennial Wheat**

King Arthur **Grain Gathering/Bread Lab**

