

# TABLE OF CONTENTS

## Page No.

ASSOCIATION OFFICERS .....	2
BOARD OF DIRECTORS .....	2
UCIA PERSONNEL .....	2
EX-OFFICIO BOARD MEMBERS .....	3
APPROVED CONDITIONING PLANTS .....	3
APPLICATIONS FOR CERTIFICATION	
Alfalfa .....	4
Barley .....	5
Forbs and Shrubs .....	6
Grass .....	8
Mint .....	10
Oats .....	10
Onion .....	10
Safflower .....	10
Triticale .....	11
Wheat .....	11
MEMBERSHIP LIST .....	12
UTAH NATIVE SEED INDUSTRY MEMBERSHIP LIST .....	16
INFORMATION FOR CERTIFIED SEED GROWERS .....	17
APPLICATION, MEMBERSHIP, AND ACREAGE FEES .....	24
TAGGING AND BULK CERTIFICATION FEES .....	25
WESTERN STATES CERTIFICATION AGENCIES .....	26
APPLICATION FOR CERTIFICATION .....	27
PRE-COLLECTION APPLICATION .....	28
SITE IDENTIFICATION LOGS	
Part I .....	29
Part II .....	30

**NOTE: FIELDS ENTERED FOR CERTIFICATION IN THIS PUBLICATION ARE SUBJECT TO FIELD INSPECTION AND SEED LOTS HARVESTED ARE SUBJECT TO OFFICIAL ANALYSIS AND/OR GRADING BEFORE BEING ELIGIBLE FOR COMPLETION OF CERTIFICATION.**

**SEED LOTS MAY NOT BE REPRESENTED AS “CERTIFIED” UNLESS AN OFFICIAL UTAH CROP IMPROVEMENT ASSOCIATION TAG IS AFFIXED TO EACH CONTAINER OR AN OFFICIAL UCIA BULK CERTIFICATE ACCOMPANIES A BULK SHIPMENT.**

**2004 DIRECTORY**  
**UTAH CROP IMPROVEMENT ASSOCIATION**  
**UTAH STATE UNIVERSITY**  
**Logan, UT 84322-4855**

Website: [www.utahcrop.org](http://www.utahcrop.org)

E-mail: [ucia@mendel.usu.edu](mailto:ucia@mendel.usu.edu)

**ASSOCIATION OFFICERS**

Eli H. Anderson	President
Fred Wagstaff	Vice President
Stanford A. Young	Secretary-Manager

**BOARD OF DIRECTORS**

<b>District No. 1</b> Eli Anderson*	Western Box Elder County plus the portion north of the Deweyville-Bothwell-Thiokol road.
<b>District No. 2</b> Chris Allen	Cache and Rich Counties and Box Elder County east of I-15 and south of the Deweyville-Bothwell-Thiokol road.
<b>District No. 3</b> Curtis Marble*	Box Elder County west of I-15, south of the Deweyville-Bothwell-Thiokol road and east of the Great Salt Lake.
<b>District No. 4</b> Fred Wagstaff*	Summit, Wasatch, Duchesne, Daggett, Uintah, Carbon, Emery, Grand and San Juan Counties.
<b>District No. 5</b> Blaine Meek	Weber, Morgan, Davis, Salt Lake, Tooele, and Utah Counties.
<b>District No. 6</b> Daron Smith	Juab, Millard, Beaver, Iron, and Washington Counties.
<b>District No. 7</b> Loni Hammond	Sanpete, Sevier, Piute, Wayne, Garfield, and Kane Counties.

\*Executive Committee Members

**UCIA PERSONNEL**

Stanford A. Young*	Secretary-Manager	OFFICE: (435) 797-2082 FAX #: (435) 797-3376 HOME: (435) 245-5845
Keren Williams	Office Secretary-Bookkeeper	(435) 797-2234
Wayne Andersen	Field Supervisor, Central/Southern UT	(801) 798-7875 CELL: (801) 368-3584 FAX: (801) 798-2069
Michael Bouck	Field Supervisor, Northern Utah	(435) 797-2101 CELL: (435) 881-2058

## EX-OFFICIO BOARD MEMBERS

Richard Wilson	Director of Plant Industry; Utah Dept. of Agriculture
Tom Griggs	Extension Agronomist; Asst. Prof., Plants, Soils, and Biometeorology Dept., Utah State University
David Hole	Cereal Breeder; Assoc. Prof., Plants, Soils, and Biometeorology Dept., Utah State University
Stanford A. Young	Seed Certification Specialist; Utah Ag. Exp. Station; Research Prof., Plants, Soils, and Biometeorology Dept., Utah State University

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## 2004

### APPROVED CONDITIONING PLANTS

Barton Seed 222 E Union Street Manti UT 84642 Tel: (435) 851-2347	Stevenson Intermountain Seed, Inc. 488 S 100 E PO Box 2 Ephraim, UT 84627 Tel:(435) 283-6639
Beehive Seed Company 990 N 500 W Delta, UT 84624 Tel: (435) 864-2300	Western Seeds, Inc. 85 N 1600 E P.O. Box 125 Tremonton, UT 84337 Tel: (435) 257-5460 Fax: (435) 257-5469
Intermountain Seed Co. 445 S 100 E PO Box 62 Ephraim, UT 84627 Tel: (435) 283-4703	Wheatland Seeds, Inc. 1780 N Hwy 38 P.O. Box 513 Brigham City, UT 84302 Tel: (435) 734-9191 Fax: (435) 723-1903
Oasis Seed Cooperative 290 N 1000 W Delta, UT 84624-6815 Tel: (435)	Wheatland West Seed, LLC 1780 N Hwy 38 PO Box 513 Brigham City, UT 84302 Tel: (435) 734-9191 Fax: (435) 723-1903
Plummer Seed 228 E 200 N Ephraim, UT 84627 Tel: (435) 283-4844	

# UTAH CROP IMPROVEMENT ASSOCIATION

## APPLICATIONS FOR CERTIFICATION FOR THE 2004 CROP

Seed Class to be Produced

F = Foundation  
R = Registered  
C = Certified

T = Tested  
S = Selected  
SI = Source Identified

→ (G1), (G2), (G3) = Generation in the Field

### 2004 ALFALFA

Variety	Applicant	County	Cert No.	Acreage	
				Estab.	New
Proprietary	Forage Genetics	Box Elder	AL-1014		20 C
	Forage Genetics	Box Elder	AL-1024		13 C
	Forage Genetics	Box Elder	AL-1034		42 C
	Forage Genetics	Box Elder	AL-1044		25 C
	Forage Genetics	Box Elder	AL-1054		10 C
	Forage Genetics	Weber	AL-1064		19 C
	Forage Genetics	Weber	AL-1074		11 C
	Forage Genetics	Weber	AL-1084		26 C
	Forage Genetics	Weber	AL-1094		16 C
	Forage Genetics	Box Elder	AL-1104		27 C
	Forage Genetics	Box Elder	AL-1114		13 C
	Forage Genetics	Box Elder	AL-1124		22 C
	Forage Genetics	Box Elder	AL-1134		18 C
	Forage Genetics	Box Elder	AL-1144		20 C
	Forage Genetics	Box Elder	AL-1154		11 C
	Forage Genetics	Box Elder	AL-1164		9 C
	Forage Genetics	Box Elder	AL-1174		35 C
	Forage Genetics	Box Elder	AL-1184		17 C
	Forage Genetics	Box Elder	AL-1194		20 C
	Forage Genetics	Box Elder	AL-1204		38 C
	Forage Genetics	Box Elder	AL-1214		50 C
	Forage Genetics	Box Elder	AL-1224		50 C
	Forage Genetics	Box Elder	AL-1234		20 C
	Forage Genetics	Box Elder	AL-1244		18 C
	Forage Genetics	Box Elder	AL-1254		23 C
	Forage Genetics	Box Elder	AL-1265		20 C
	Forage Genetics	Weber	AL-1274		24 C
	Forage Genetics	Weber	AL-1284		16 C
	Forage Genetics	Box Elder	AL-1294		27 C
	Forage Genetics	Box Elder	AL-1304		27 C
	Forage Genetics	Box Elder	AL-1314		20 C
	Forage Genetics	Box Elder	AL-1324		15 C
	Forage Genetics	Box Elder	AL-1334		25 C
Forage Genetics	Box Elder	AL-1004		30 C	
Forage Genetics	Box Elder	AL-994		43 C	

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>	
				<b>Estab.</b>	<b>New</b>
	Forage Genetics	Box Elder	AL-984	23.5 C	
	Forage Genetics	Box Elder	AL-974	36 C	
	Forage Genetics	Box Elder	AL-964	105 C	
	Forage Genetics	Box Elder	AL-954	10 C	
	Forage Genetics	Box Elder	AL-944	46 C	
	Forage Genetics	Box Elder	AL-934	60 C	
	Forage Genetics	Box Elder	AL-924	37 C	
	Forage Genetics	Weber	AL-914	20 C	
	Forage Genetics	Box Elder	AL-904	30 C	
	Forage Genetics	Box Elder	AL-894	24 C	
	Forage Genetics	Box Elder	AL-884	25 C	
	Forage Genetics	Box Elder	AL-584	20 C	
	Daron Smith	Millard	AL-374	40 C	
	Daron Smith	Millard	AL-514	20 C	
	Daron Smith	Millard	AL-164	38 C	
	Daron Smith	Millard	AL-194	38 C	
	Daron Smith	Millard	AL-664	40 F	
	Daron Smith	Millard	AL-1344		35 R
<b>Diploid Falcata</b> (experimental)	USDA/ARS	Cache	AL-784	1 F (pending)	
<b>Ladak 64</b>	Daron Smith	Millard	AL-654	40 C	
<b>Vernema</b>	Arthur Higley	Tooele	AL-94	120 C	

**2004  
BARLEY**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
<b>Aquila (PVP)</b>	Wheatland/Western	Box Elder	B-94	12 R
	Rex Larsen	Utah	B-264	1.5 R
<b>Kold</b>	Wheatland Seed	Box Elder	B-24	10 C
	Wheatland Seed	Box Elder	B-34	3 R
	Wheatland Seed	Box Elder	B-54	26.2 C
<b>Millennium (PVP)*</b>	Wheatland Seed	Box Elder	B-74	24 C
	Wheatland Seed	Box Elder	B-84	5 R
	Western Seed	Box Elder	B-174	43 C
	Western Seed	Box Elder	B-184	5 R
	Wheatland Seed	Morgan	B-244	27 C
	Rex Larsen	Utah	B-254	9 R
<b>Proprietary</b>	Western Seed	Box Elder	B-124	18 C
	Western Seed	Box Elder	B-164	21 C
	Western Seed	Box Elder	B-204	66 C

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
<b>Schuyler</b>	Wheatland Seed	Box Elder	B-14	16.5 C
	Wheatland Seed	Box Elder	B-64	39.4 C
	Western Seed	Box Elder	B-134	29 C
	Eli Anderson	Box Elder	B-214	1 R
<b>Statehood (PVP)</b>	Western Seeds	Box Elder	B-144	19 C
	Western Seeds	Box Elder	B-154	5 R
	Western Seeds	Box Elder	B-194	18.4 C
	Loni Hammond	Sanpete	B-234	30 C
<b>Stephoe</b>	Wheatland Seed	Box Elder	B-104	4 R
	Wheatland Seed	Box Elder	B-114	68 C
	Loni Hammond	Sanpete	B-224	25 C
<b>Walker (PVP)</b>	Wheatland Seed	Box Elder	B-44	49.1 C

\*PVP - Plant Variety Protection granted or applied for; seed may be sold by variety name only as a class of Certified seed.

## 2004 FORBS AND SHRUBS

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert. No.</b>	<b>Acreage</b>	
				<b>Estab.</b>	<b>New</b>
<b>ASPEN DAISY</b>					
Germplasm	Fred Wagstaff	Wasatch	F-454	1.5 SI (G1)	
<b>BALSAMROOT (ARROWLEAF)</b>					
Germplasm (GBRI)	Wheat Investments	Weber	F-564		.01 SI (G1)
	Utah Botanical Ctr	Davis	F-554		.01 SI (G1)
<b>BUCKWHEAT (WYETH)</b>					
Germplasm (GBRI)	Utah Botanical Ctr	Davis	F-544		.01 SI (G1)
<b>FERNLEAF BISCUITROOT</b>					
Germplasm (GBRI Oregon)	Utah Botanical Ctr	Davis	F-524		.01 SI (G1)
Germplasm (GBRI Idaho)	Utah Botanical Ctr	Davis	F-534		.01 SI (G1)
<b>FOURWING SALTBUSH</b>					
Rincon	UDWR	Sanpete	S-14	.75 C	
<b>GLOBEMALLOW (MUNRO)</b>					
ARS-2892 Germplasm	Wheat Investments	Weber	F-344	.75 S (G2)	
	Fred Wagstaff	Wasatch	F-374	4 S (G3)	

Variety	Applicant	County	Cert. No.	Acreage	
				Estab.	New
<b>GLOBEMALLOW (GOOSEBERRYLEAF)</b>					
Germplasm (Townsend)	Fred Wagstaff	Wasatch	F-404	3 SI (G1)	
<b>KOCHIA (PROSTRATE)</b>					
Immigrant	Stevenson Int. Seed	Sanpete	S-334	8 C	
	Wasatch Dixie Farms	Utah	S-374	23 C	
<b>KURA CLOVER</b>					
KU-041 (Experimental)	USDA/ARS	Cache	F-604		.75 F (pending)
<b>MOUNTAIN BIG SAGEBRUSH</b>					
Hobble Creek	Fred Wagstaff	Wasatch	S-394	3 C	
<b>PENSTEMON (FIRECRACKER)</b>					
Germplasm (Deer Creek)	Fred Wagstaff	Wasatch	F-294	1.5 SI (G1)	
Richfield Germplasm	Wheat Investments	Weber	F-394	.75 S (G2)	
Germplasm (Deer Creek)	Fred Wagstaff	Wasatch	F-414	5.5 SI (G2)	
<b>PENSTEMON (ROCKY MOUNTAIN)</b>					
Bandera	Wheat Investments	Weber	F-334	0.75 C	
Germplasm (Main Creek)	Fred Wagstaff	Wasatch	F-424	8 SI (G4)	
<b>PENSTEMON (PALMER)</b>					
Germplasm (Rose Hill)	Fred Wagstaff	Wasatch	F-434	6 SI (G4)	
Cedar	Barton Seed	Sanpete	F-484	.5 C	
<b>PENSTEMON (SAGEBRUSH)</b>					
Germplasm (GBRI)	Utah Botanical Ctr	Davis	F-514		.01 SI (G1)
<b>SAINFOIN</b>					
SU-042 (Experimental)	USDA/ARS	Cache	F-594		.75 F (pending)
<b>TAPERTIP HAWKS BEARD</b>					
Germplasm (GBRI)	Wheat Investments	Weber	F-574		.01 SI (G1)
	Utah Botanical Ctr	Davis	F-584		.01 SI (G1)
<b>UTAH SWEETVETCH</b>					
Timp	Fred Wagstaff	Wasatch	F-314	2.0 C	
<b>WINTERFAT</b>					
Hatch	Charles Inouye	Sanpete	S-214	3 C	
	UDWR	Sanpete	S-114	.05 F	

**2004  
GRASS**

Variety	Applicant	County	Cert. No.	Acreage	
				Estab.	New
<b>INDIAN RICEGRASS</b>					
Rimrock	David Harris	Box Elder	G-1714	16 R	
	David Harris	Box Elder	G-2414	26 C	
	Wasatch Dixie Farms	Utah	G-2554	200 C	
	John Sheldon	Emery	G-2674	55 C	
<b>GREEN NEEDLEGRASS</b>					
Lodorm	John Sheldon	Emery	G-2684	20 C	
<b>MEADOW BROME</b>					
Cache (PVP)	USDA/ARS	Cache	G-2484	.75 F	
	USDA/ARS	Cache	G-2734		2 F
	USDA/ARS	Cache	G-2744		1.8 F
<b>SQUIRRELTAIL (BOTTLEBRUSH)</b>					
Germplasm (Central Utah)	Russ Barton	Sanpete	G-2404	3.5 SI (G1)	
<b>WHEATGRASS (BLUE BUNCH)</b>					
Anatone Germplasm	Jim Allred	Sanpete	G-2154	5.5 SI (G2)	
	BYU Farm	Utah	G-2244	3 S (G2)	
	BYU Farm	Utah	G-2444	1 S (G3)	
	Von Swain	Uintah	G-2614	14.6 (G3)	
	Wasatch Dixie Farms	Utah	G-2544	90 S (G4)	
P7 Germplasm					
<b>WHEATGRASS (SNAKE RIVER)</b>					
Secar	James Bingham	Box Elder	G-2194	21 R	
<b>WHEATGRASS (CRESTED)</b>					
Ephraim	UDWR	Sanpete	G-504	0.1 F	
Hycrest	UDWR	Sanpete	G-484	.35 R	
Douglas (PVP)	Lee Anderson	Sanpete	G-2354	12 C	
	USDA/ARS	Cache	G-2634	1.36 F	
CDII (PVP)	Wheatland West	Box Elder	G-1704	18 C	
	USDA/ARS	Cache	G-2504	1 F	
RoadCrest (PVP)	USDA/ARS	Cache	G-1524	1 F	
	USDA/ARS	Cache	G-2374	1 F	
	Wheatland West	Utah	G-2284	280 C	
I-28 (Experimental)	Wheatland West	Utah	G-2224	38 C	
	USDA/ARS	Cache	G-2764	1.7 F (pending)	
<b>WHEATGRASS (R/S HYBRID)</b>					
NewHy (PVP)	Shane Getz	Box Elder	G-1404	7 C	
	USDA/ARS	Cache	G-1834	2 F	
				<b>Acreage</b>	

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert. No.</b>	<b>Estab.</b>	<b>New</b>	
<b>WHEATGRASS (SIBERIAN)</b>						
Vavilov (PVP)	David Harris	Box Elder	G-1574	19 C		
	USDA/ARS	Cache	G-1844	2 F		
	Wasatch Dixie Farms	Utah	G-2294	310 C		
	James Bingham	Box Elder	G-2184	75 C		
	BYU Farm	Utah	G-2234	20 C		
<b>WHEATGRASS (TALL)</b>						
Alkar	Wasatch Dixie Farms	Utah	G-2604	40 C		
<b>WHEATGRASS (WESTERN)</b>						
Rosanna	BYU Farm	Utah	G-2254	13 R		
<b>WILDRYE (ALTAI)</b>						
Mustang	USDA/ARS	Cache	G-2584	1 F		
<b>WILDRYE (BASIN)</b>						
Magnar	Loni Hammond	Sanpete	G-1394	9 C		
	Loni Hammond	Sanpete	G-14	16 C		
	Loni Hammond	Sanpete	G-394	14 R		
	Frank Batty	Sevier	G-584	7 C		
	Shane Getz	Box Elder	G-1684	11 R		
	Loni Hammond	Sanpete	G-1894	10 R		
	Shane Getz	Box Elder	G-2134	11 C		
	Dale Harris	Iron	G-1924	4 R		
	BYU Farm	Utah	G-2214	15 R		
	Trailhead	Stevenson Int. Seed	Sanpete	G-1334	7 R	
		Wasatch Dixie Farms	Utah	G-2304	113 C	
		BYU Farm	Utah	G-2264	37 C	
		John Hendrickson	Sanpete	G-2694	4.5 C	
James Bingham		Box Elder	G-2464	12 C		
<b>WILDRYE (RUSSIAN)</b>						
Bozoisky Select	John Bagley	Piute	G-1424	10 R		
	UDWR	Sanpete	G-474	3 C		
	USDA/ARS	Cache	G-1854	2 F		
	BYU Farm	Utah	G-2274	28 R		
	David Harris	Box Elder	G-2624	23 C		
	David Harris	Box Elder	G-2724		8 R	
Syn A (Experimental)	USDA/ARS	Cache	G-2754		2 F (pending)	

**2004  
MINT**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert. No.</b>	<b>Acreage</b>	
				<b>Estab.</b>	<b>New</b>
<b>PEPPERMINT</b>					
Black Mitcham	Bruce Hubbard	Box Elder	M-624	38	
	Bruce Hubbard	Box Elder	M-704	38	
	Bruce Hubbard	Box Elder	M-714		24
	Curtis Marble	Box Elder	M-594	5 (G3)	
	Curtis Marble	Box Elder	M-644	6 (G2)	
	Curtis Marble	Box Elder	M-674	18 (G3)	
	Curtis Marble	Box Elder	M-684	3 (G1)	
	Curtis Marble	Box Elder	M-744		5 (G2)
	Curtis Marble	Box Elder	M-754		5 (G4)
	Young Living Farms	Juab	M-664	40	
<b>SPEARMINT</b>					
Native	Bruce Hubbard	Box Elder	M-524	1	
	Curtis Marble	Box Elder	M-694	3 (G1)	
	Curtis Marble	Box Elder	M-734		4 (G3)
	Curtis Marble	Box Elder	M-724		5 (G2)
Scotch	Bruce Hubbard	Box Elder	M-614	17	
	Curtis Marble	Box Elder	M-604	10	
	Curtis Marble	Box Elder	M-764	3 (G2)	4 (G2)

**Note: Most of these mint fields are commercial oil-production fields that are inspected to enforce the State quarantine against *Verticillium* wilt. Fields eligible for certified reproduction are labeled with the appropriate class abbreviation.**

**2004  
OATS**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
Ajay	Loni Hammond	Sanpete	O-14	30 C
Monida	Loni Hammond	Sanpete	O-24	30 C

**2004  
ONION**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
<b>YELLOW SWEET SPANISH</b>				
Day Red	Day Farms	Davis	ON-14	.25C

**2004  
SAFFLOWER**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
S-541	Chris Allen	Cache	S-14	65 C

**2004  
TRITICALE**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
Proprietary	Wheatland Seed	Box Elder	T-14	5 R
	Wheatland Seed	Box Elder	T-24	102 C
	Wheatland Seed	Box Elder	T-34	143 C

**2004  
WHEAT**

<b>Variety</b>	<b>Applicant</b>	<b>County</b>	<b>Cert No.</b>	<b>Acreage</b>
<b>Garland (PVP)</b>	Norman Fukui	Box Elder	W-234	46 C
<b>Promontory</b>	Wheatland Seed	Box Elder	W-84	40.2 C
	Western Seeds	Box Elder	W-174	5 R
	Western Seeds	Box Elder	W-184	79 C
<b>Moreland (PVP)</b>	Wheatland Seed	Box Elder	W-14	39 C
<b>Stephens</b>	Wheatland Seed	Box Elder	W-24	3.5 C
	Wheatland Seed	Box Elder	W-34	3 R
	Wheatland Seed	Box Elder	W-44	42.7 C
	Wheatland Seed	Box Elder	W-74	7 C
	Ben Fukui	Box Elder	W-214	5 R
	Ben Fukui	Box Elder	W-224	65 C
	Norman Fukui	Box Elder	W-244	35 C
<b>Utah-100</b>	Western Seeds	Box Elder	W-154	4 R
	Western Seeds	Box Elder	W-164	50.4 C
	UCIA/UAES	Cache	W-254	1.25 F
<b>Brundage (PVP)</b>	Wheatland Seed	Box Elder	W-54	73 C
	Wheatland Seed	Box Elder	W-64	5 R
	Chris Allen	Cache	W-114	20 C
<b>Rick</b>	UCIA/UAES	Cache	W-264	1 F
<b>Simon (PVP)</b>	Chris Allen	Cache	W-124	25 R
<b>Alpowa</b>	Wheatland Seed	Box Elder	W-104	57 C
<b>Deloris</b>	Wheatland Seed	Box Elder	W-94	9 C
	Western Seeds	Box Elder	W-194	4 R
	Western Seeds	Box Elder	W-204	20.4 C
<b>Proprietary</b>	Western Seeds	Box Elder	W-134	36 C
	Western Seeds	Box Elder	W-144	22 C

**2004**  
**UTAH CROP IMPROVEMENT ASSOCIATION**  
**Membership List**

Grower	Address	Telephone
Darwin Allen	6980 W 9600 N Tremonton UT 84337	(435) 257-7197
Allen Seed Grain c/o Chris Allen	12616 N 1200 E Cove UT 84320	(435) 258-2529
James Allred	PO Box 146 Spring City UT 84662	(435) 462-3508
Eli Anderson	8790 W 11200 N Bothwell UT 84337	(435) 854-3760
Lee Anderson	305 E 500 S Manti UT 84647	(435) 835-3351
BYU Farm c/o Eric Hyer	8845 S 800 E Spanish Fork UT 84660	(801) 423-2200
John Bagley	Box 45 Koosharem UT 84744	(435) 638-7529
Russell Barton	222 E Union Street Manti UT 84642	(435) 851-2347 (cell)
Frank Batty	PO Box 125 Annabella UT 84711	(435) 896-8935
Boyd Bingham	3525 W 8000 N Honeyville UT 84314	(435) 279-8127
Clifford Bingham	4425 W 3300 N Corinne UT 84307	(435) 744-5516
James Bingham	10010 W 11600 N Tremonton UT 84337	(435) 854-3876
Van Bingham	2660 N 7600 W Corrine UT 84307	(435) 744-2965
Val Call	5780 W 6400 N Tremonton UT 84337	(435) 279-8441

Glen Capener	15800 N 5200 W Riverside UT 84334	(435) 458-3221
Jay Capener	PO Box 85 Riverside UT 84334	(435) 458-3911
Ken Davis	3398 N 6000 W Corinne UT 84307	(435) 744-2216
Day Farms	2049 Ridge Road Layton UT 84040	(801) 544-2434
JY Ferry & Sons	815 N 6800 W Corinne UT 84307	(435) 720-1549
Stan Fowers	5925 S 7100 W Hooper UT 84315	(801) 985-0188
Robert Fowers	7088 W 5100 S Hooper UT 84315	(801) 985-1604
Ben Fukui	8394 N 6800 W Tremonton UT 84337	(435) 257-5785
Norman Fukui	6460 W 8000 N Elwood UT 84337	(435) 257-0314
Shane Getz	317 N 100 E Tremonton UT 84337	(435) 257-1916
Doug George	6785 N 7200 W Tremonton UT 84337	(435) 257-7188
Loni Hammond	Box 120 Gunnison UT 84634	(435) 528-7591
David Harris	13695 N 5400 W Garland UT 84312	(435) 257-3778
Dale Harris	1860 N Lund Hwy Cedar City UT 84720	(435) 586-4566
John Hendrickson	Box 98 Spring City UT 84662	(435) 462-3257
Arthur Higley	487 E 2400 S Salt Lake City UT 84115	(801) 486-2841

Bruce Hubbard	885 N 6000 W Corinne UT 84307	(435) 744-2277
Charles Inouye	PO Box 937 Gunnison UT 84634	(435) 528-7863
Ted Kondo	4980 W 2000 N Corinne UT 84307	(435) 744-2653
Curtis Marble	178 N 6800 W Corinne UT 84307	(435) 744-2960
Sam McMurdie	4625 W 11200 N Tremonton UT 84337	(435) 257-3711
Delwin (Butch) Mills	1927 N 5600 W Corinne UT 84037	(435) 744-2928
Russell Mills	3800 N 4000 W Corinne UT 84307	(435) 744-3007
Paul Munns	9720 N 5200 W Tremonton UT 84337	(435) 279-4027
Roger Munns	9720 N 5200 W Tremonton UT 84337	(435) 257-7204
Nelson Farms c/o Bernie Nelson	4815 W 10400 N Tremonton UT 84337	(435) 257-5029
Blake Norman	6822 W 2400 S Corinne UT 84307	(435) 279-0015
Sid Norman	6822 W 2400 S Corinne UT 84307	(435) 279-0015
Evan Parker	2606 N 4500 W Hooper UT 84315	(801) 985-7006
Paul Pali	975 Century Drive Tremonton UT 84337	(435) 257-3836
Mark Porritt	8375 W 10400 N Tremonton UT 84337	(435) 257-5077
Todd Ramsdell	PO Box 125 Riverside UT 84334	(435) 458-3510
Chris Reeder	1150 N 2600 W Brigham City UT 84302	(435) 744-2686

Eldon Roche	1750 N 600 West Corinne UT 84307	(435) 744-2660
John Sheldon	2485 Holt Stage Kalispell MT 59901	(406) 756-6480
Daron Smith	3455 N 3000 W Delta UT 84624	(435) 864-4681
Chris Sorenson	586 N 2300 West Tremonton UT 84337	(435) 279-3134
Stevenson Intermountain Seed c/o Ron Stevenson	488 S 100 E Ephraim UT 84627	(435) 283-6639
Von Swain	1660 W 2500 N Vernal UT 84078	(435) 781-8832
UDWR - Great Basin Expt. Station c/o Scott Walker	540 N Main Ephraim UT 84627	(435) 283-4441
USDA/ARS FRRL c/o Ron Reed	6300 Old Main Hill, USU Logan UT 84322-6300	(435) 797-3079
Utah Botanical Center	725 South Segoe Lily Drive Kaysville UT 84037	(801) 593-8969 (801) 593-5330 (fax)
Fred J. Wagstaff	1900 E Oakhill Lane Wallsburg UT 84082	(435) 654-3439
Wayne Weidman	736 N 200 E Tremonton UT 84337	(435) 257-3019
Dee Waldron	1845 S Morgan Valley Dr Morgan UT 84050	(801) 829-6523
Wasatch Dixie Farms c/o Walt Tachiki & Blaine Meek	PO Box 128 Elberta UT 84626	(801) 667-3203
Wheat Investments c/o Kelly Wheat	PO Box 530 Huntsville UT 84317	(801) 479-9567
Young Living Farms	250 S Main Payson UT 84651	(435) 623-7911

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**UTAH NATIVE SEED INDUSTRY MEMBERS PARTICIPATING  
IN CERTIFIED WILDLAND COLLECTED SEED PROGRAM  
(as of 6/30/2004)**

Barton Seed  
Russell Barton  
222 E Union Street  
Manti UT 84642  
(435) 851-2347

NP Seed  
Jim Rhodes  
206 East 300 South  
Manti UT 84642  
(435) 835-8301

Fremont Trading  
Richard Stevens  
450 South 50 East  
Ephraim UT 84627  
(435) 283-4701

Native Seed  
Kyle Wagstaff  
7361 Pineridge Drive  
Park City UT 84772  
(435) 640-0557

Granite Seed  
Don Bermant  
1697 West 2100 North  
Lehi UT 84043  
(801) 768-4422

Plummer Seed  
Mark Plummer  
228 East 200 North  
Ephraim UT 84627  
(435) 283-4844

Harvest Moon  
Jimmy Goble  
525 East 300 North  
Richfield UT 84701  
(435) 979-8549 or (435) 896-6129

Rocky Mountain Seed  
Jeff Hallows  
PO Box 355  
Aurora UT 84620  
(435) 529-7319

Intermountain Seed Company  
Eric Christensen  
445 South 100 East  
Ephraim UT 84627  
(435) 283-4703

Stevenson Intermountain Seed  
Ron Stevenson  
488 South 100 East  
Ephraim UT 84627  
(435) 283-6639

Maughan Seed  
Brad Maughan  
PO Box 72  
Manti UT 84642-0072  
(435) 835-0404

Wagstaff Seed  
Fred Wagstaff  
PO Box 68  
Wallsburg UT 84082  
(435) 654-3439

Mountain West Seed  
Jeremy Andreason  
19 North 100 West  
Ephraim UT 84627  
(435) 283-4704

Wheatland West Seed  
Orson Boyce  
1780 N Hwy 38  
Brigham City UT 84302  
(435) 734-9191

# INFORMATION FOR CERTIFIED SEED GROWERS

**NOTE: THIS IS A SUMMARY OF THE CERTIFICATION REGULATIONS. A COMPLETE COPY OF THE UTAH SEED CERTIFICATION REQUIREMENTS AND STANDARDS IS AVAILABLE UPON REQUEST**

## WHAT IS CERTIFIED SEED?

Certified seed is high-quality seed which has superior production potential as defined by the following important factors:

1. Known genetic source and identity and seed origin.
2. High genetic purity
3. High germinating ability
4. Minimum amount of other crop seed, weed seed, and inert matter.
5. Known presence or absence of certain seed-borne diseases
6. Free of noxious weed seeds

The certification process is accomplished by accurate record keeping and a series of inspections conducted in the field, seed testing laboratory, and seed conditioning facility. Seed certification is a service performed by the Utah Crop Improvement Association (UCIA) in cooperation with the Utah Agricultural Experiment Station and the Division of Plant Industry, Utah Dept. of Agriculture. Only seed produced in accordance with the standards and regulations of the Utah Crop Improvement Association and labelled with an official tag or bulk certificate can be represented as Utah certified seed.

## APPLYING TO GROW OR WILD COLLECT CERTIFIED SEED

Anyone may apply to grow or wild collect certified seed.

Applications should be made before field planting to permit a representative of the UCIA to advise concerning the eligibility of the seed, the land, and any current information concerning the certification program. Growing certified seed involves filing an application, payment of fees, conforming to requirements pertaining to land, isolation, seed, weeds and disease.

Collecting wildland seed requires knowledge of species and seed quality, and harvesting equipment. Seed may be harvested from any location as long as proper permit/permission is acquired and site identification logs and documentation is kept current.

Most of the certified seed produced or wild collected in Utah is done by prior arrangement with a seed broker/dealer/conditioner.

## APPLICATIONS, MEMBERSHIP, AND FILING DATES

Applications for grains and certification renewal of perennial crops are due May 15, but will be accepted with a \$10 late fee until May 31. All other crops, including the seedling year for perennial crops, are due June 15, but will be accepted with a \$10 late fee until June 30. Growers of perennial crops must apply each year, whether or not seed production is intended in that particular year, if the field is to remain eligible for certification in a later year.

Applications for wild collected seed are in the form of a Pre-Collection Application for collectors or seed broker/conditioners (anyone desiring to directly obtain yellow Source Identified tags), and a Certified Seed Site Identification Log filled out jointly by the collector and seed broker/conditioner after harvest.

Application forms and copies of seed certification standards may be obtained from the UCIA website or by writing or calling the following:

1. Utah Crop Improvement Association  
Utah State University  
4855 Old Main Hill  
Logan, Utah 84322-4855  
Phone: (435) 797-2082  
Fax: (435) 797-3376  
Website: [www.utahcrop.org](http://www.utahcrop.org)

2. Wayne Andersen  
7355 S 1200 W  
Spanish Fork, UT 84660  
Phone: (801) 798-7875  
Cell Phone: (801) 368-3584  
Fax: (801) 798-2069

3. Michael Bouck  
Utah Crop Improvement Assn  
4855 Old Main Hill  
Logan, UT 84322-4855  
Phone: (435) 797-2101  
Cell: (435) 881-2058  
Fax: (435) 797-3376

The certification application form and fee for field plantings serves as an application for membership in the UCIA. The approved conditioner application form and fee serves as a membership application for certified seed conditioners.

A Pre-Collection Application form and fee serves as an application for UCIA membership for wildland seed collectors or seed broker/conditioners. Seed collectors affiliated with a seed broker/conditioner may also become members of UCIA by paying the basic application fee in conjunction with their signature on the first Site Identification Log completed each year.

A certification number is assigned for each field or collection site listed on the application(s). Application fees are outlined in the schedule at the end of this summary.

## **RESPONSIBILITY OF MEMBERSHIP**

No practical system has yet been devised for certification of crop seeds that is perfect. The various inspections, sampling, and tests can only minimize the opportunity for carelessness or deception. For this reason, the seed producer and/or conditioner must accept ultimate responsibility for assurance that the UCIA Requirements and Standards have been met in every phase of seed production and conditioning.

## **VARIETY ELIGIBILITY**

Only crop varieties approved for certification by a National Variety Review Board or an official seed certification agency, or accepted by the Plant Variety Protection Office, are eligible for certification in Utah. A list of current varieties certified in Utah is available from the UCIA. Most plant species are

eligible for wild collection and may also be planted for field seed production according to definitions and regulations (Pre-Variety Germplasm Requirements and Standards) available from the UCIA.

## **PLANT VARIETY PROTECTION**

Under the Plant Variety Protection Act of 1970 (revised 1994), an originator, developer, or owner of a variety may obtain legal protection for that variety exercising one of two enforcement options:

1. The authorized agent may sell either certified or non-certified seed of the variety, with a label stating "Unauthorized propagation prohibited – U.S. Variety Protection applied for" (or "... U.S. Protected Variety", if the certificate has been issued). Infringement of the patent is litigated by civil action.
2. The authorized agent may elect to utilize the provisions of Title V of the Federal Seed Act, which stipulates that the variety may be sold by variety name only as a class of Certified seed. The labeling is similar to the non-certification option except for the added statement "To be sold by variety name only as a class of Certified Seed". Infringement of the Patent in this case is a violation of the Federal Seed Act and thus has advantages for enforcement as compared with civil litigation.

NOTE 1: It is the responsibility of the seller to publicize that the variety is protected and have it labeled properly. Some of the varieties eligible for certification in Utah are protected, and are so designated in the current variety list. The following logo, when it appears on a seed bag, tag, or container, means the seed is protected by the PVP Act.

NOTE 2: An exception to the PVP Act permits a farmer to save and plant his own seed of a protected variety on his own farm. The 1970 PVP Act also allowed farmer-to-farmer sales with certain limitations, but the 1994 revision prohibits all such sales without the express permission of the variety owner or agent.

## CLASSES OF CERTIFIED SEED AND OTHER PROPAGATIVE MATERIALS

In general, four classes of certified seed for named and released crop varieties are recognized by seed certification agencies: Breeder, Foundation, Registered and Certified. A distinctive tag is attached to each bag to denote the seed class.

1. **Breeder seed (white tag)** -- is very limited in amount and is directly produced or controlled by the originating plant breeder or institution. This seed is normally not available in commercial channels. Breeder seed provides the source for the increase of Foundation seed.
2. **Foundation seed (white tag)** -- is multiplied from breeder seed and is grown under the supervision of a Foundation Seed Program of either the public or private institution controlling the variety.
3. **Registered seed (purple tag)** -- is the progeny of either Breeder or Foundation seed. Registered seed is available in regular market channels and is normally required to produce certified seed. Many perennial crop varieties do not have a registered class specified.
4. **Certified seed (blue tag)** -- is the most commonly encountered certified seed and is the large-volume class sold to farmers for producing a commercial crop of the variety. It is the progeny of either Foundation or Registered seed stock. Under certain circumstances the progeny of Certified seed can be recertified as long as the genetic identity, varietal purity and other standards are maintained.

Vegetatively produced crops such as potatoes and mint have a different generation nomenclature and tagging system. Tags for certified seed potatoes are blue, which indicates a U.S. No. 1 Seed Grade, and generations in the field are listed as G1 (Nuclear), G2, G3, G4, and G5. A yellow tag indicates a Contract Grade, meaning that the buyer and seller can negotiate size and quality factors but varietal identity and purity, disease tolerances, and generation designation remain the same.

Nomenclature for germplasm that has not been released as a variety (both wild collected and field grown seed) are as follows: Source Identified class, Selected class, and Tested class. Generations of these classes grown in the field are indicated by G1, G2, and G3, etc., and are noted on the distinctive tag color for each class along with germplasm and/or collection area designation.

1. **Source Identified class (yellow tag)** -- is seed or other propagating materials collected from natural stands or produced in seed fields where no selection or testing of the parent population has been made. When seed is collected from a natural stand, the generation is G0.
2. **Selected class (green tag)** -- is the progeny of phenotypically selected plants that have promise, but not proof, of heritability of distinctive traits, and may be collected from natural stands or produced in seed fields.
3. **Tested class (blue tag)** -- is the progeny of plants which have been tested for stable heritability of distinctive genetic traits, and may be collected from natural stands or produced in seed fields.

## LAND REQUIREMENTS AND ISOLATION

The previous crop history of the land must be known. The land in question must not have been planted to another variety (or germplasm selection) of the same crop for a certain length of time as defined in the individual crop standards. The field must have a definite boundary such as a fence, ditch, road or barren strip.

The isolation (distance from other varieties or crops) requirements must be considered before planting a cross-pollinated crop. If the crop is cross-pollinated, the isolation strip may be cut for hay or for non-certified seed. That part of the crop which meets certification requirements for isolation must have a clearly defined boundary.

The unit of certification is an enclosed field, or a portion of a field separated from the remainder by a definite boundary.

## **PLANTING THE SEED**

Growers planning to produce certified seed of named crop varieties must plant Foundation or Registered seed. (In some circumstances, the Certified class of seed may be replanted to produce certified seed, but only by prior permission of the UCIA). Generations of vegetatively propagated crops or pre-variety germplasm (Source Identified, Selected and Tested) seed eligible to plant for certified seed production is to be designated for each species.

Bulk sales certificates or the certification tags attached to the seed which is planted for the production of any class of certified seed must be saved and the certificate or a representative tag attached to the application form.

The drill or precision planters used to plant the seed must be thoroughly cleaned prior to planting and may be inspected at the discretion of a UCIA representative.

## **FIELD MANAGEMENT**

After the field is planted, the grower should inspect the field periodically during the growing season. The field should be kept relatively free of weeds, particularly those weeds which cannot be separated in the seed cleaning process. (See section on "Noxious Weeds".) Roguing (the removal of other varieties, crops, weeds, and diseased plants) should be done as necessary; looking at the field is the only way to determine the necessity of roguing. The grower (or contracting seed company) is responsible for any roguing which may be required.

## **FIELD INSPECTION**

Seed fields grown for certification will be inspected by a representative of the Utah Crop Improvement Association. Small grains are inspected after the crop is fully headed and approaching maturity in order to identify any crop mixtures which may be present. The ideal period for inspecting alfalfa and many other crops is during the blossom stage. A minimum of two field inspections is required for potato and dry bean fields.

Source Identified wildland collection sites are subject to inspection on a random basis before, during, or after seed collection has been accomplished. Pre-variety germplasm seed production fields (and Selected or Tested natural stands) will be inspected at the blossom stage or just

before harvest, depending on the species and specific circumstances.

Every effort will be made to inspect fields early enough to avoid any delay in harvesting the crop; however, the grower is responsible for making sure his field has been inspected before it is harvested.

The grower should give sufficient advance notice to the representative of the Crop Improvement Association or inspector so the inspection can be scheduled. Any condition which prevents an accurate inspection of the field, such as excessive weed growth, insect damage, poor growth, or diseases and lodging of the crop, can be cause for rejection.

## **HARVESTING AND HANDLING OF SEED**

The harvesting machinery and all handling and storage facilities must be cleaned to remove all seeds which might contaminate the crop. It is very important for the grower to thoroughly clean his equipment and to handle the seed in a manner which will maintain the identity of the seed without contamination.

Harvesting machines may be cleaned utilizing (1) a detailed "wet method" for small fields or high value crops where it is not desired to discard any of the seed, or (2) an abbreviated "dry method" for harvesting larger fields where a portion of the seed can be discarded as commercial grain. A checklist form for each method is available from the UCIA. A UCIA representative must inspect and approve the equipment or will collect a checklist that was signed by the grower before harvesting began.

## **SEED CONDITIONING**

Seed intended for certification may be conditioned only in facilities inspected and officially approved by the Utah Crop Improvement Association. Permits are issued on an annual basis which identifies "approved certified conditioners." In order for a facility to be approved, the management must be familiar with certification regulations, keep accurate records of all operations involving certified seed, handle the seed in such a manner to maintain positive identity of the seed and have the facilities and equipment capable of cleaning and processing seed to meet certification standards. A list of approved cleaning plants is located in the front of this Directory.

A commercial or on-the-farm conditioning facility may be used for cleaning specific seed lots upon special inspection and approval by the UCIA.

## SEED SAMPLING AND TESTING

A sample of the cleaned seed of all named varieties crops will be sampled under the direction of a UCIA representative and submitted to the Utah State Seed Laboratory for germination and purity analysis. (Other labs may be used in special cases with prior UCIA notification). Official sampling of pre-variety germplasm seed is optional but will be done upon special request.

In addition to the germination and purity analysis, all seed lots of barley varieties which pass field certification standards must be tested by the seed laboratory for loose smut.

## SEALING AND TAGGING FINAL CERTIFICATION

If the seed analysis meets the certified seed standards, certification of the seed may be completed. Certification does not become official until each bag or container is labeled and tagged.

Most U.S. states utilize a "two tag system" where the certification tag (or bulk certificate) and the analysis tag or label are different entities. The analysis label is required by state law and lists the results of the purity and germination tests performed by the seed laboratory, but offers no proof as to varietal or germ-plasm identity. The certification tag verifies crop and variety (or species and germplasm) identity and lists other information as required for the class of seed.

Tags must be attached in a manner such that evidence of tampering becomes obvious, such as sewing into the bag or use of heavy staples. For certain high value crops such as alfalfa seed, an official metal snap-seal may be provided to affix the tag. Fees for tagging are outlined in the schedule at the end of this summary.

## NOXIOUS WEEDS

Noxious weeds are not allowed in fields planted for certification. In the event noxious weeds are found on the land after a crop has been planted for certification, they must be under control or rogued out at the time of inspection. This means noxious weeds

must show evidence of having been chemically treated or of cultural practices (mechanical control) that prevent, restrict or eliminate surface growth. The control measures must prevent the development of mature seed. Some leeway is allowed for crops in which seed of certain noxious weeds is easily cleaned out (such as quackgrass in small grains or bindweed in alfalfa or potatoes).

The Utah Seed Law prohibits the sale or distribution of any seed containing prohibited noxious weeds, and limits the number of restricted noxious weeds per pound of seed. Tolerance for prohibited noxious weed seed as well as most restricted noxious weed seeds in certified seed is zero.

### Utah Prohibited Noxious Weeds

Bermudagrass*	<i>Cynodon dactylon</i>
Bindweed (Wild Morning-glory)	<i>Convolvulus spp.</i>
Broad-leaved Peppergrass (Tall Whitetop)	<i>Lepidium latifolium</i>
Canada Thistle	<i>Cirsium arvense</i>
Diffuse Knapweed	<i>Centaurea diffusa</i>
Dyers Woad	<i>Isatis tinctoria</i>
Johnson Grass	<i>Sorghum halepense</i>
Leafy Spurge	<i>Euphorbia esula</i>
Medusahead Rye	<i>Taeniatherum caput-medusae</i>
Musk Thistle	<i>Carduus nutans</i>
Quackgrass	<i>Agropyron repens</i>
Russian Knapweed	<i>Centaurea repens</i>
Scotch Thistle	<i>Onopordium acanthium</i>
Spotted Knapweed	<i>Centaurea maculosa</i>
Squarrose Knapweed	<i>Centaurea Squarrosa</i>
Whitetop	<i>Cardaria spp.</i>
Yellow Starthistle	<i>Centaurea solstitialis</i>

\* Bermudagrass (*Cynodon dactylon*) shall not be a noxious weed in Washington County and shall not be subject to provisions of the Utah Noxious Weed Law within the boundaries of that county.

### Utah Restricted Noxious Weeds

Dodder	<i>Cascura spp.</i>
Halogeton	<i>Halegeton glomeratus</i>
Jointed Goatgrass	<i>Aegilops cylindrica</i>
Poverty Weed	<i>Iva axillaris</i>
Wild Oats	<i>Avena fatua</i>

## STANDARDS FOR CERTIFIED SEED

Certified seed must meet certain field inspection standards as well as purity and quality standards after the seed is conditioned. The standards include general rules which apply to all crops and additional sets of special rules for each particular crop or germplasm type being certified.

## A. Field Standards

The following standards are for the Certified seed class (and pre-variety germplasm types as applicable). For Certified class details and for Foundation and Registered classes see the complete UCIA Requirements and Standards on the UCIA website.

**ISOLATION DISTANCE** (from other varieties of the same species or non-certified same variety)

	<b>Minimum Feet</b>
ALFALFA	
Same region of adaptation	165*a
Different regions of adaptation	500
FORBS AND SHRUBS	330*b
GRASSES	
Cross-pollinated species*c	165*a
ONIONS (True Seed Production)	1,320
SMALL GRAINS	10*d
SAFFLOWER	1320
GRASSES (Self pollinating species) & POTATOES	Distinct separation

\*a - No isolation required if 10% or less of the field falls within the isolation zone.

\*b - 165 ft. for fields of 5 acres or more

\*c - See complete standards for wheatgrass, squirreltail, and wildrye isolation requirements.

\*d - Wheat and triticale must be isolated from jointed goatgrass by at least 25 ft.

<b><u>OTHER VARIETIES, OTHER CROPS</u></b>	<b>Minimum Permitted</b>
ALFALFA	
Other varieties	0.1%*a
Sweet clover	10 plants/acre
FORBS AND SHRUBS	
Other varieties or selections (same species)	1 plant/500*a
Other kinds (different species)	1 plant/500
GRASSES	
Other varieties	0.5%*a
Other grasses	0.5%
POTATOES	
Varietal mixture	0.25%*a
Diseases -- See Complete Standards	
SMALL GRAINS (Wheat, Barley, Oats)	
Other varieties	1 head/10,000*a
Inseparable other crops (ie: Barley in Oats)	1 head/10,000
Rye	None
Wild Oats	None
Jointed Goatgrass	None

Note: Poor appearance, excessive weed growth, poor cultural conditions, extensive disease and insect damage, or severe weather damage may be cause for rejecting a field.

\*a Based exclusively on visual observation. Some varieties of some crops are not distinguishable visually since they differ only in characteristics such as yield, disease resistance, and nutritive quality.

## B. Seed Standards

<b><u>LABORATORY PURITY (Pure Seed)</u></b>	<b>Minimum Percent</b>
ALFALFA	99.25%
FORBS AND SHRUBS (Varies with species)	10-99%
GRASSES (Varies with kind of grass)	85-95%
ONIONS	99.5%
SMALL GRAINS	98.0%

<b><u>GERMINATION</u></b>	<b>Minimum Percent</b>
ALFALFA	85.0%
FORBS AND SHRUBS (Varies with species)	30-90%
GRASSES (Varies with kind of grass)	70-85%
ONIONS	80.0%
SMALL GRAINS	85.0%

<b><u>OTHER VARIETIES OR SELECTIONS</u></b>	<b>Maximum Percent</b>
	<b>Seeds per pound</b>
ALFALFA	0.50*a
FORBS AND SHRUBS	0.75*a
GRASSES	1.0*a
SMALL GRAINS	2*a
Diseases -- Visible Smut balls	Trace
Loose Smut (embryo test)	0.2
Ergot (different species)	0.05

\*a These tolerances are not routinely verified by the seed lab since expensive chemical and/or genetic testing is required and is done only by special request. Therefore, liability for exceeded tolerances lies strictly with the original stock seed provider, seed producer, and/or seed conditioner.

<b><u>OTHER KINDS (maximum)</u></b>	<b>Maximum Percent</b>
	<b>Seeds per pound</b>
ALFALFA	0.3
Sweet Clover	90
FORBS AND SHRUBS	0.50
GRASSES	0.50
ONIONS	0.05
SMALL GRAINS (other small grains)	2*a
Except Rye	None

\*a Total 2 seeds/lb in aggregate for other varieties, off types, and other small grains.

<b><u>WEED SEED -- non-prohibited (maximum)</u></b>	<b>Maximum Percent</b>
ALFALFA	0.2
Restricted weeds:	
Dodder	None
Poverty Weed, Halogeton	18
FORBS AND SHRUBS (varies with species)	0.2-0.5
GRASSES	0.3
Restricted weeds:	
Poverty Weed, wild oats	9
Jointed Goatgrass	None
ONIONS	0.05
SMALL GRAINS	
Restricted Weeds	0.05
Wild Oats	None
Jointed Goatgrass	None

<b><u>PROHIBITED NOXIOUS WEEDS</u></b>	<b>Maximum Percent</b>
ALL CROPS	None

**NOTE: Potato seed standards are based on the U.S. #1 Seed Potato Grade.**

## **A SUMMARY OF THE SEED CERTIFICATION PROCEDURES**

1. Contact the Utah Crop Improvement Association before planting to obtain applications to grow certified seed, or before collecting to obtain pre-collection applications and site identification logs for wild-collected seed.
2. Plant Foundation or Registered seed or proper generation of pre-variety germplasm or vegetatively propagated crops eligible for certification. Save the tags or bulk sale certificate or other documentation to establish proof of seed origin and class.
3. Select clean, weed-free ground. A pre-planting inspection is strongly suggested before planting perennial crops. Check certification regulations to see if the field meets all of the requirements such as isolation from other varieties, and crop history of the land for the previous year.
4. Clean the drill and planting equipment (inspection by UCIA representative is optional but is strongly suggested for inexperienced certified growers).
5. Rogue the field for diseased plants, other crops, varieties and weeds.
6. Request a field inspection (or a site inspection for selected or tested wildland sites) by a UCIA representative before harvesting.
7. Clean the combine, bulk trucks and storage areas to remove crop and weed seeds before harvesting certified fields. An inspection of the harvesting equipment by a UCIA representative or grower signature on a UCIA harvesting equipment checklist is required.
8. Have the seed cleaned only in approved certified seed cleaning plants (or on the farm facilities by special permission).
9. Store certified seed in clean bins or bag in new, clean sacks.
10. A representative of the UCIA will draw a sample for analysis in the Utah State Seed Lab (or other accredited lab by special permission).
11. To complete the certification process, bags must be tagged or bulk certificates issued under the supervision of the UCIA.

## **ADDITIONAL SUMMARY PROCEDURES FOR SOURCE IDENTIFYING WILDLAND COLLECTED SEED**

1. Collector or seed broker/conditioner files Pre-Collection Application and obtains appropriate land management agency permits or private property permission letters.
2. Seed broker/conditioner must a) accept only seed amounts covered by permits/permission, b) check field lot numbers on the bags, c) sample the uncleaned field lot and put into the UCIA sample envelope provided, d) obtain a harvest site map or GPS reading from the collector, e) complete and sign the Site Identification Log (and Addendum if needed) for each conditioner lot and f) maintain individual field lot identity until approval is given by a UCIA representative to blend them into a conditioner lot.
3. Cleaning and maintenance of seed conditioning equipment must follow UCIA guidelines to prevent species/lot contamination. The cleaned seed shall be sampled, and the sample may be sent to an official seed testing laboratory under the direction of a UCIA representative.
4. After verification of the harvest site and paper rail for transporting, storing, conditioning, and sampling of uncleaned and cleaned seed, tags will be issued and attached to bags under the direction of a UCIA representative.

NOTE: The current (updated June 18, 2002) Pre-Collection Application and Source Identification Logs (Part I and II) are included in the back of this Directory.

# FEES 2004

## UTAH CROP IMPROVEMENT ASSOCIATION

### APPLICATION, MEMBERSHIP, AND ACREAGE FEES

**1. APPLICATION FEE:**

A \$10 application fee is assessed for each field/crop/class combination on a given farm each crop year and includes membership in UCIA. A "farm" shall be defined as any parcel or parcels of land operated by one or more individuals using the same equipment and operated as a unit. A crop year is normally defined as the calendar year in which the crop is grown to maturity. A wildland seed collector or broker/conditioner becomes a member upon completing a Pre-Collection Application and paying the \$10 fee; an individual seed collector may also become a member of UCIA by paying the \$10 application fee with the first Site Identification Log signed each year.

A \$25 fee is assessed annually for the "Approved Certified Conditioner" application and includes UCIA membership for one company representative. All seed companies that condition certified seed, whether obtained from seed growers or wildland collectors, must be an approved conditioner for the crops they are conditioning.

**2. FIELD INSPECTION ACREAGE FEES**

The following fees per acre for field inspection are to be added to the application fee for each crop, variety and/or class:

CROPS	FEES PER ACRE*a
ALFALFA (or other perennial legumes)	\$2.00*b
BEAN (or other annual legumes)	\$3.50*c
GRASS, FORB, SHRUB (including field grown pre-variety germplasm)	\$2.00*b
MINT	\$1.25 Oil Production \$2.00 Propagation*b
ONION	\$3.00*d
POTATO	\$5.50*e
SMALL GRAIN, SAFFLOWER	\$2.00
WILD COLLECTED SEED	\$50.00 per site*f

\*a Reseeding Fees: If reseeding is necessary on a field or portion of a field, an additional acreage fee may be charged for the field or portion of the field to cover costs of the necessary re-inspections of field, seed, equipment, and stand.

\*b Non-Production Fees: If a grower knows in advance that he does not desire to produce seed on an established certified-eligible field planted with a perennial crop in a given year but wishes to keep the field eligible for future certification, an application with the "Application Fee" only may be submitted. This option does not apply during the seedling year.

\*c Includes field and windrow inspection.

\*d Includes winter bulb inspection.

\*e Includes two field inspections and potato storage inspection.

\*f This fee is paid by the seed broker/conditioner receiving the seed from the collector(s). Each collector on the same site must fill out a separate Site Identification Log unless working under a supervisor, who may fill out one log to cover several collectors. The Site Identification Log for a given site is \$50; additional collector groups as listed on a "Site ID Log Addendum" are \$10 each. Site inspection is conducted by random spot check during harvest, but may occur post-harvest utilizing topo-maps, detailed road maps, GPS coordinates, and/or accompaniment with collector back to the site. If a separate site inspection by a UCIA representative before and/or during harvest is requested by a seed buyer or broker/conditioner or is deemed necessary for verification of the site identification log, a charge for mileage and time will be negotiated.

**FEES 2004**  
**UTAH CROP IMPROVEMENT ASSOCIATION**

**TAGGING AND BULK  
CERTIFICATION FEES**

**NOTE:** When the crop from any field passing the pre-harvest field inspection is sold for seed, UCIA reserves the right to collect the tagging and bulk certification fees for such seed, whether or not certification is completed (sealing and/or tagging, or bulk certificates written). This ensures that UCIA services are not wasted and encourages completion of certification of high quality seed available to consumers.

<b>CROPS</b>	<b>FEES *a</b>
ALFALFA (or other perennial legumes)	\$.70/cwt
BEAN, SAFFLOWER	\$.25/cwt
FORB, SHRUB (Field Grown)	\$5.00/cwt*b
GRASS	\$2.00/cwt*c
MINT	Rootstock*d
ONION	\$5.00/cwt
POTATO	\$.05/cwt
SMALL GRAIN	\$.10/cwt
WILD COLLECTED SEED	\$10.00/cwt

\*a Fees charged on clean seed weight of lot (\$10 minimum per seed lot); tags and/or bulk certificates supplied as needed. Seed involved in interagency certification (seed grown or collected in one state but transported to another state for conditioning and/or tagging) must be accompanied by a "Transfer of Seed Pending Certification" certificate. Certification agencies in 11 Western states participating in interagency certification are listed on the following page. It is the intent of the UCIA that the total fees charged for the transfer certificate in the state of origin and the tagging fees in the state of destination shall approximate the total UCIA application, acreage or SI log, and tagging fees had the seed been both produced and tagged in Utah.

\*b Production over 100 lb/a will be charged at \$2.50/cwt.

\*c Production over 250 lb/a will be charged at \$1.00/cwt.

\*d Rootstock inspection and tagging fees will be assessed on an individual basis to reflect UCIA costs involved.

## WESTERN STATES CERTIFICATION AGENCIES

Mike Moore  
Wyoming Seed Certification  
University of Wyoming  
PO Box 983  
109 West 14<sup>th</sup> Street  
Powell WY 82435  
Telephone: (307) 754-9815  
Fax: (307) 754-9820  
E-mail: mdmoore@uwyo.edu

E-mail: rfstewart2ucdavis.edu

Ron Larson  
Montana Seed Growers Assn  
PO Box 173140  
316 Leon Johnson Hall  
Montana State University  
Bozeman MT 59717-3140  
Phone: (406) 994-3516  
Fax: (406) 994-1848  
E-mail: rl Larson@montana.edu

Charles R. Glover  
New Mexico Crop Improvement Assn  
MSC Box 3CI  
New Mexico State University  
Las Cruces NM 88003  
Phone: (505) 646-4125  
Fax: (505) 646-8137  
E-mail: cglover@nmsu.edu

Ron Cook or Barry Schrumph  
Oregon Seed Cert Service  
Oregon State University  
31 Crop Science Bldg  
Corvallis OR 97331-3003  
Phone: (541) 737-4513  
Fax: (541) 737-2624  
E-mail: osu-cert@oscs.orst.edu

Brad Erker  
Colorado Seed Growers Assn  
Colorado State University  
Dept of Soil & Crop Sciences  
Fort Collins CO 80523  
Phone: (970) 491-6202  
Fax: (970) 491-1173  
E-mail: csga@agsci.colostate.edu

Keith Pfeifer or Doug Boze  
Washington State Crop Improvement  
414 S 46<sup>th</sup> Ave  
Yakima WA 98908-3232  
Phone: (509) 966-2234  
Fax: (509) 966-2494  
E-mail: wscia@televar.com  
(contact for small grains, beans, peas)

Fawad Shah or Randy Knight  
Washington State Dept of Agriculture  
21 N 1<sup>st</sup> Ave, Suite 203  
Yakima WA 98902  
Telephone: (509) 225-2630  
Fax: (509) 454-4395  
E-mail: rknight@agr.wa.gov  
(contact for alfalfa, grasses, wildland species)

Allan Simons  
Arizona Crop Improvement  
University of Arizona-North  
2120 East Allen Road  
Tucson AZ 85719-1522  
Phone: (520) 318-7271  
Fax: (520) 318-7272  
E-mail: absimons@ag.arizona.edu

Terry Dunfield  
Nevada State Division of Agriculture  
350 Capitol Hill Ave  
Reno NV 89502  
Phone: (775) 688-1182 (x244)  
Fax: (775) 688-1178  
E-mail: tdunfield@agri.state.nv.us

Greg Lowry or Sam Jennings  
Idaho Crop Improvement Assn.  
55 SW Fifth Ave, Suite 150  
Meridian ID 83642-8638  
Phone: (208) 884-8225  
Fax: (208) 884-4201  
E-mail: idahocrop@aol.com

Bob Stuart or Bob Simas  
California Crop Improvement Association  
Parsons Seed Certification Center  
University of California  
One Shields Ave  
Davis CA 95616-8541  
Phone: (530) 752-0544  
Fax: (530) 752-4735