2003 National Distillers Grains Summary
Survey of Livestock Producers

Released by the National Agricultural Statistics Service (NASS), Iowa State Statistical Office, U.S. Department of Agriculture. For more information call (515) 284-4340, office hours 7:30 a.m. to 4:30 p.m. CT.

Operations Profile

	All		Feeding Distillers Grains		Not Feeding Distillers Grains	
	Average Peak Inventory	Operations Feeding Distillers Grains	Average Peak Inventory	Average Years Feeding Distillers Grains	Average Peak Inventory	Operations That Considered Feeding Distillers Grains
	(Number)	*(Percent)*	*(Number)*	*(Years)*	*(Number)*	*(Percent)*
Cow/Calf	121	24	359	4	91	27
Dairy	202	56	214	7	183	51
Cattle on Feed	2,074	72	2,302	6	1,399	74
Hogs	15,373	22	16,523	2	14,994	37
Turkeys	124,297	8	180,000	[1]	118,534	22
All Livestock Enterprises	--	31	--	5	--	36

[1] Insufficient data.

Distillers Grains by Type of Operation

	Percent Who Use This Type	Average Number of Head Fed This Type	Percent Moisture	Tons Fed Per Year	Average Price Paid Per Ton
	(Percent)	*(Head)*	*(Percent)*	*(Tons)*	*(Dollars)*
Condensed Distillers Solubles (CDS)					
Cow/Calf	0	--	--	--	--
Dairy	3	184	[1]	[1]	[1]
Cattle on Feed	8	3,540	48	925	22
Hogs	0	--	--	--	--
Turkeys	0	--	--	--	--
All Livestock Enterprises	3	--	48	925	22
Distillers Dried Grains (DDG)					
Cow/Calf	4	591	13	407	103
Dairy	26	248	13	141	96
Cattle on Feed	14	2,210	30	1,195	72
Hogs	8	9,353	11	324	94
Turkeys	3	[1]	[1]	[1]	[1]
All Livestock Enterprises	12	--	16	339	93
Distillers Dried Grains with Solubles (DDGS)					
Cow/Calf	<1	[1]	[1]	[1]	[1]
Dairy	12	222	14	132	97
Cattle on Feed	6	4,170	45	2,017	48
Hogs	9	16,502	12	415	87
Turkeys	5	225,000	11	380	83
All Livestock Enterprises	7	--	16	376	89
Distillers Dried Solubles (DDS)					
Cow/Calf	<1	[1]	[1]	[1]	[1]
Dairy	2	103	[1]	43	139
Cattle on Feed	0	--	--	--	--
Hogs	1	[1]	[1]	240	90
Turkeys	0	--	--	--	--
All Livestock Enterprises	1	--	13	118	123
Distillers Wet Grains (DWG)					
Cow/Calf	3	535	66	550	37
Dairy	4	291	71	1,570	24
Cattle on Feed	36	2,970	62	7,806	34
Hogs	1	[1]	[1]	[1]	[1]
Turkeys	0	--	--	--	--
All Livestock Enterprises	6	--	64	6,038	33

[1] Insufficient data.

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Percent Who Fed Other Ingredients That Also Fed Distillers Grains

	Soybean Meal	Corn	Alfalfa	Corn Silage	Hay, Not Alfalfa	Premix of Vitamins & Minerals
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	21	75	71	29	13	0
Dairy	92	98	98	8	0	0
Cattle on Feed	21	94	73	33	10	0
Hogs	96	98	25	0	0	15
Turkeys	100	100	67	0	0	0

Percent Who Purchased Distillers Grains By Source

	Directly from Ethanol Plants	Through Feed Companies	Through Brokers	Other
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	21	46	27	6
Dairy	19	63	18	0
Cattle on Feed	48	15	35	2
Hogs	20	65	15	0
Turkeys	25	42	33	0
All Livestock Enterprises	26	51	22	1

Percent Doing the Rationing Work

	Feed Company	Nutritionist	Extension Service	Self	Other
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	38	12	<1	50	0
Dairy	27	61	<1	11	1
Cattle on Feed	41	41	0	18	0
Hogs	67	22	<1	8	2
Turkeys	7	90	0	3	0
All Livestock Enterprises	39	44	<1	16	<1

Percent of Distillers Grains Purchased By Contract Type

	Spot	Monthly	Quarterly	6-Month	Clock	Yearly	Other	No Contract
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	29	14	0	7	0	0	0	50
Dairy	9	<1	1	15	0	1	0	74
Cattle on Feed	6	0	7	35	0	26	4	22
Hogs	17	18	0	0	0	5	15	45
Turkeys	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
All Livestock Enterprises	12	5	3	17	[1]	9	4	50

[1] Insufficient data.

Consumer Services Received From Their Supplier By Those Purchasing Distillers Grains

	None	On-Site Consultation	Nutritionist Service	Consistent Product	Variety of Products	Delivery Service	Consumer Education
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	29	24	53	35	35	82	12
Dairy	34	41	62	53	33	73	10
Cattle on Feed	37	16	32	57	19	70	5
Hogs	21	21	61	58	18	53	13
Turkeys	[1]	[1]	[1]	[1]	[1]	[1]	[1]
All Livestock Enterprises	31	28	54	52	26	68	10

[1] Insufficient data.

Relative Importance of Product Qualities [1]

	Consistent Product	Quality Product	Protein Content	Shelf Life	Freshness	Color	Moisture	Handling Ease
Cow/Calf	4.0	4.1	4.2	3.7	4.0	3.2	4.0	3.9
Dairy	4.5	4.6	4.3	4.0	4.4	3.4	4.1	4.0
Cattle on Feed	4.6	4.6	4.1	3.8	4.0	2.9	4.0	3.7
Hogs	4.8	4.8	4.2	3.7	4.3	3.4	4.0	4.1
Turkeys	5.0	5.0	3.5	3.0	3.5	3.5	3.5	3.5
All Livestock Enterprises	4.5	4.6	4.2	3.9	4.2	3.3	4.0	4.0

[1] Operators were asked to rate the relative importance of each product quality from 1 (Least Important) to 5 (Most Important).

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Relative Importance of Plant Services [1]					
	Reliability of Deliveries	Availability of Supply	Contracting	Comparative Value	Inventory Control
Cow/Calf	4.2	4.3	3.4	4.1	3.5
Dairy	4.1	4.4	3.3	4.2	3.7
Cattle on Feed	4.2	4.5	3.7	4.2	3.8
Hogs	3.5	4.4	3.4	4.3	3.5
Turkeys	3.0	5.0	3.5	3.5	3.5
All Livestock Enterprises	4.0	4.4	3.4	4.2	3.7

[1] Operators were asked to rate the relative importance of each plant service from 1 (Least Important) to 5 (Most Important).

Distillers Grains Transported By Truck [1]				
	Dry Distillers Grains		Wet Distillers Grains	
	Percent of Dry Distillers Grains Hauled By Truck	Average Transportation Cost Per Ton Per Mile	Percent of Wet Distillers Grains Hauled By Truck	Average Transportation Cost Per Ton Per Mile
	(Percent)	*(Dollars)*	*(Percent)*	*(Dollars)*
Cow/Calf	100	0.221	100	[2]
Dairy	98	0.207	100	0.187
Cattle on Feed	93	0.299	94	0.207
Hogs	100	0.175	100	[2]
Turkeys	100	0.096	[2]	[2]
All Livestock Enterprises	98	0.209	96	0.198

[1] Other modes of transportation were reported, however, they were not published to avoid disclosure of individual producers.
[2] Insufficient data.

Types of Storage Facilities Used for Storing Distillers Grains					
	Overhead Bins	All Other Bins	Flat Storage	Wagon or Truck	Other
	(Percent)	*(Percent)*	*(Percent)*	*(Percent)*	*(Percent)*
Cow/Calf	13	21	50	17	4
Dairy	21	21	34	7	3
Cattle on Feed	5	3	76	0	8
Hogs	21	31	8	6	0
Turkeys	67	33	0	0	0
All Livestock Enterprises	17	19	40	6	3

Maximum Distillers Grains Stored on the Operation	
	(Tons)
Cow/Calf	40
Dairy	22
Cattle on Feed	122
Hogs	27
Turkeys	47
All Livestock Enterprises	53

Feed Ingredient Definitions – Source: Association of American Feed Control Officials

- **CDS – Condensed Distillers Solubles** is obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of corn by condensing the thin stillage fraction to a semi-solid.
- **DDG – Distillers Dried Grains** is obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of corn by separating the resultant coarse grain faction of the whole stillage and drying it.
- **DDGS – Distillers Dried Grains with Solubles** is the product obtained after removal of ethyl alcohol by distillation from the yeast fermentation of corn by condensing and drying at least ¾ of the solids of the resultant whole stillage.
- **DDS – Distillers Dried Solubles** is obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of corn by condensing the thin stillage fraction and drying it.
- **DWG – Distillers Wet Grains** is the product obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of corn.

Survey Methodology: The sample for the livestock producers survey was selected from a list of known farmers in Iowa and Minnesota maintained by the Agricultural Statistics Service. The sample was comprised of operations with at least one of five livestock enterprises on their farm. The five enterprises included cow/calf, dairy, hogs, turkeys, and cattle on feed. The cattle on feed enterprise had to have a capacity of at least 1,000 head. More than 5,600 farm operators were mailed a questionnaire, followed by a second questionnaire approximately two weeks later. There were 721 completed reports. Each returned questionnaire was hand edited for reasonableness, in addition to a computer edit. Data inconsistencies were clarified by re-contacting the firm by telephone. The data was then summarized using a PC statistical analysis software program.