



Post-Harvest Discount Schedules

Updated 10/02/2026

Post-Harvest Discount Schedule (Corn)

Test Weight:

Discount will be applied to all deliveries with a test weight below 54.0 lbs per bushel. Discount Rates are Defined Below.

Rate per Bu.	Test Weight
\$0.01	53.9 to 53.0
\$0.02	52.9 to 52.0
\$0.05	51.9 to 51.0
\$0.09	50.9 to 50.0
Subject to Rejection	Under 50 lbs
\$0.05 per each lb.	Under 50 lbs

Broken Corn & Foreign Material: Discount of \$0.03 per bushel for each 1.0% BCFM Over 3.0%, Over 10.0% Subject to Rejection

Moisture:

Discount of \$0.02 per bushel per half point of moisture over 15.0% will be applied to all deliveries.

The Mapleton Mill reserves the right to reject any corn over 15.5% moisture, and request that it be unloaded at one of our elevator locations.

Damaged Corn: Assessed on a per load basis and assessed a minimum discount of \$0.01 per bushel, per 1.0% of Damage Over 5.0%. All Damaged Corn will be Rejected at the Mapleton Mill

Soybean Discount Schedule

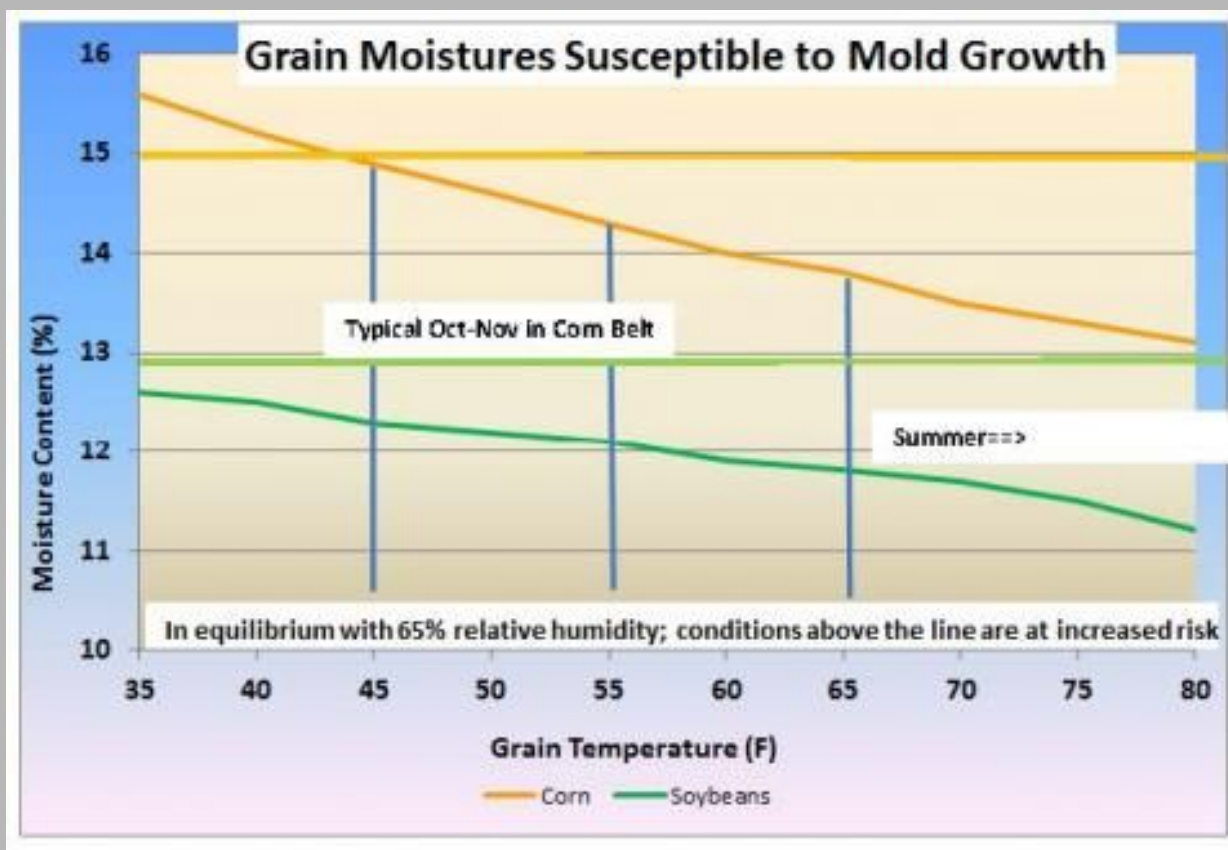
<u>Test Weight:</u>		<u>Moisture:</u>	
Discount will be applied to all deliveries with a test weight below 54.0 lbs per bushel.		Moisture Discounts will be Applied as a Percentage of Contract Price for All Deliveries Over 13.0%	
Test Weight	Rate per Bu.	Moisture Level	Discount % of Price
53.9 to 53.0	\$0.01	13.1 to 13.5	1%
52.9 to 52.0	\$0.02	13.6 to 14.0	2%
51.9 to 51.0	\$0.03	14.1 to 14.5	3%
Under 50 lbs	Subject to Rejection	14.6 to 15.0	4%
<u>Damage:</u> Discount of 0.5% of contract price each 1% from 2.1 to 5.0%. Over 5% subject to rejection		15.1 to 16.0	8%
		Over 16%	Subject to Rejection
<u>Splits:</u> Over 20.0% discounted at 0.05% of contract price per every 1%		<u>Foreign Material</u>	
<u>Heat Damage:</u> Discount 2.5% of contract price for ever 0.1% over 0.2%, Over 0.2% Subject to Rejection		All foreign material over 1.0% will be deducted from gross weight and will not be paid for. Foreign material over 5% is subject to rejection or deducted at a rate of 1.5% per 1% over 5%	
Other Factors will be assessed on a per load basis, if unloaded.			

Safe Storage Chart for Corn

Grain Temperature		Grain Moisture (%)								
*C	*F	12	13	14	15	16	18	20	22	24
32	90	> 1 year		251	49	27	10	5	4	3
29	85			336	66	36	14	7	5	3
27	80				87	47	18	9	6	4
24	75				117	63	24	12	8	5
21	70				157	85	32	16	10	7
18	65				210	113	43	22	13	9
16	60				278	150	57	28	17	11
13	55					226	86	38	22	14
10	50					339	130	50	29	19
7	45						195	66	37	24
4	40						293	88	48	30
2	35							115	62	39

Table A. Corn Equilibrium Moisture Content

		Relative Humidity (%)													
		25	30	35	40	45	50	55	60	65	70	75	80	85	90
Temperature (°F)	35	9.3	10.3	11.2	12.1	13.0	13.9	14.8	15.7	16.6	17.6	18.7	19.8	21.2	22.9
	40	9.1	10.0	10.9	11.8	12.7	13.5	14.4	15.3	16.2	17.1	18.2	19.3	20.7	22.3
	45	8.8	9.8	10.6	11.5	12.3	13.2	14.0	14.9	15.8	16.7	17.7	18.9	20.2	21.8
	50	8.6	9.5	10.4	11.2	12.0	12.9	13.7	14.5	15.4	16.3	17.3	18.5	19.8	21.4
	55	8.4	9.3	10.1	11.0	11.8	12.6	13.4	14.2	15.1	16.0	17.0	18.1	19.3	20.9
	60	8.2	9.1	9.9	10.7	11.5	12.3	13.1	13.9	14.8	15.7	16.6	17.7	18.9	20.5
	65	8.0	8.9	9.7	10.5	11.3	12.0	12.8	13.6	14.5	15.3	16.3	17.4	18.6	20.1
	70	7.9	8.7	9.5	10.3	11.0	11.8	12.6	13.4	14.2	15.0	16.0	17.0	18.2	19.8
	75	7.7	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.9	14.8	15.7	16.7	17.9	19.4
	80	7.6	8.4	9.1	9.9	10.6	11.4	12.1	12.9	13.7	14.5	15.4	16.4	17.6	19.1
	85	7.4	8.2	9.0	9.7	10.4	11.2	11.9	12.6	13.4	14.3	15.2	16.2	17.3	18.8
	90	7.3	8.1	8.8	9.5	10.3	11.0	11.7	12.4	13.2	14.0	14.9	15.9	17.0	18.5
	95	7.2	7.9	8.7	9.4	10.1	10.8	11.5	12.2	13.0	13.8	14.7	15.6	16.8	18.2
	100	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.8	13.6	14.5	15.4	16.5	17.9



Cold Air

high moisture zone

Cold Air

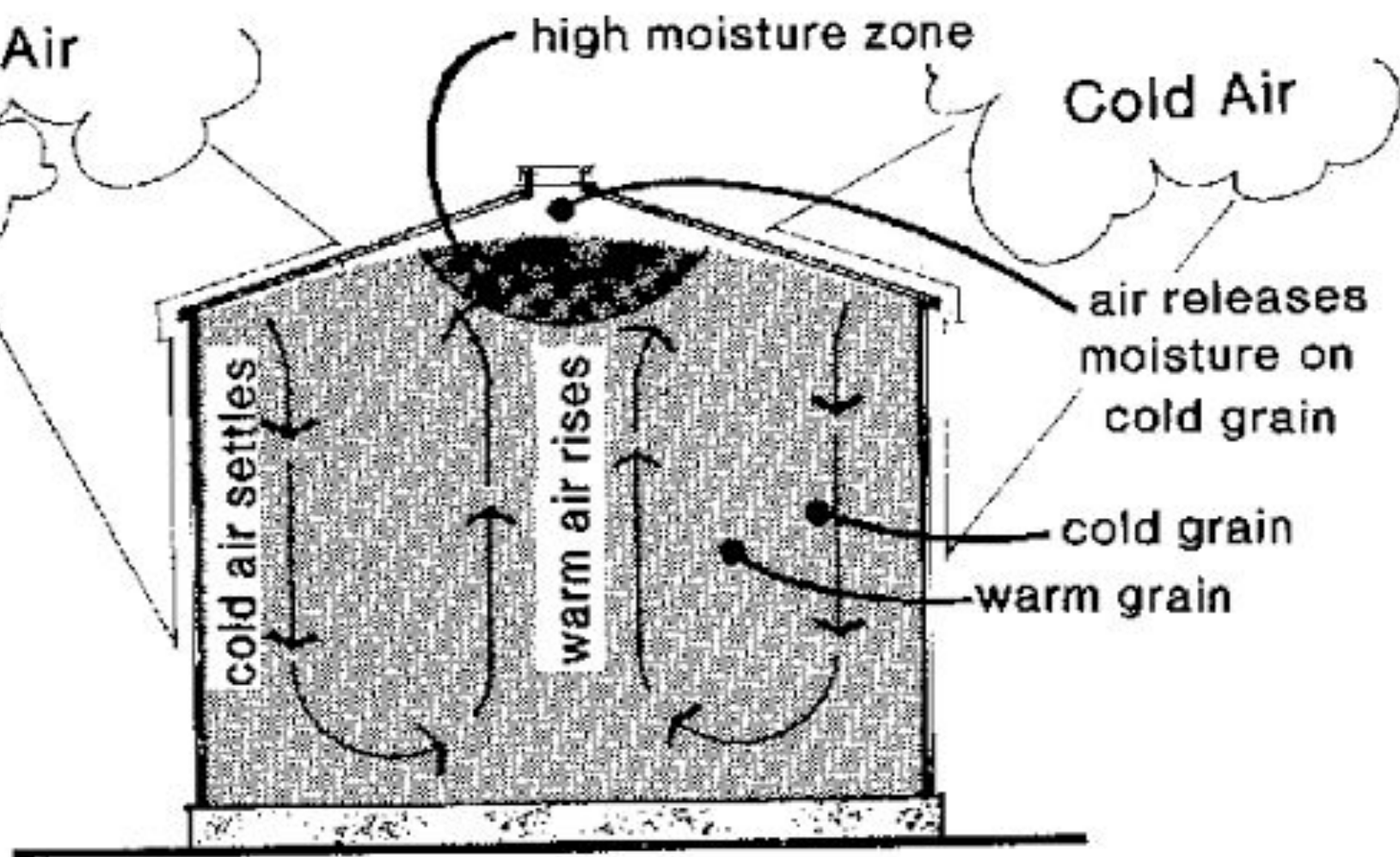
air releases
moisture on
cold grain

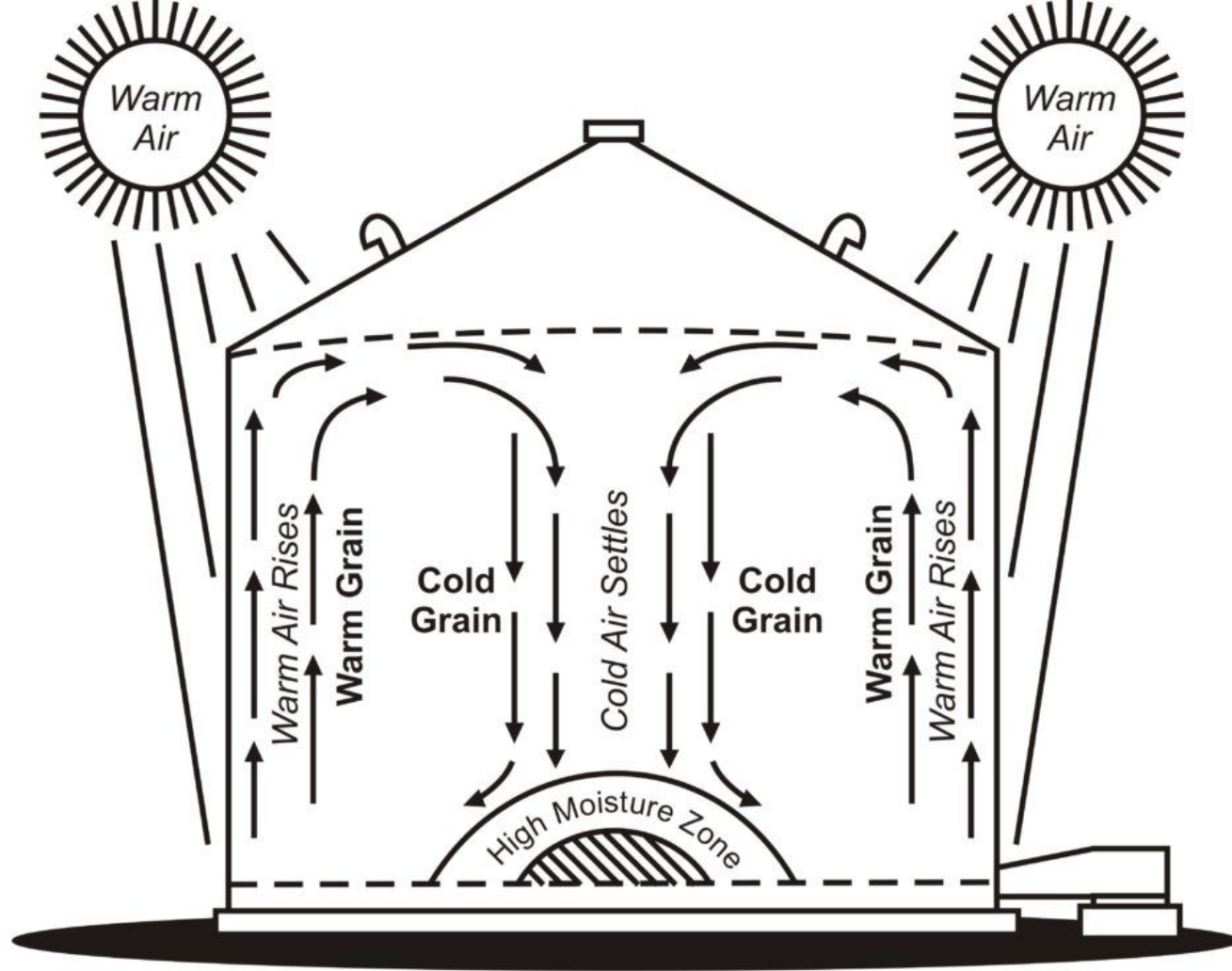
cold grain

warm grain

cold air settles

warm air rises





Grain Aeration and Temperature Monitoring

3 MOISTURE MIGRATION

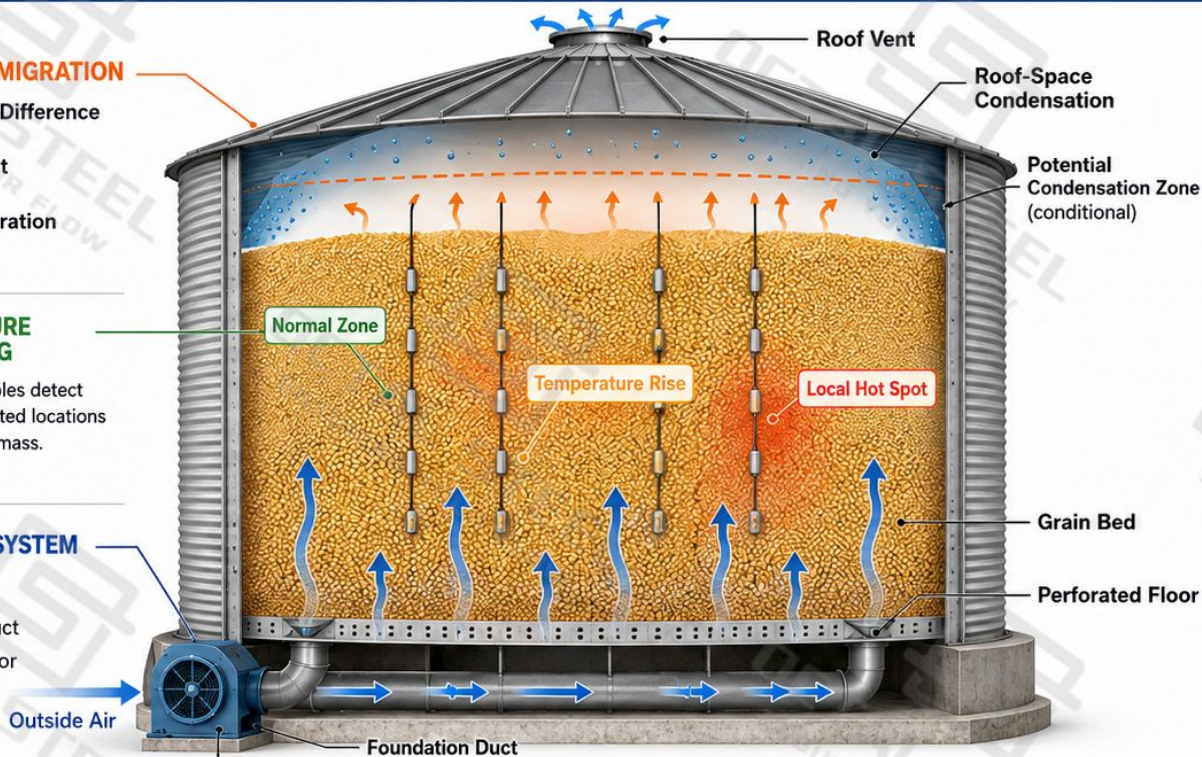
Temperature Difference
↓
Air Movement
↓
Moisture Migration

2 TEMPERATURE MONITORING

Temperature cables detect changes at selected locations within the grain mass.

1 AERATION SYSTEM

- Aeration Fan
- Foundation Duct
- Perforated Floor
- Grain Bed
- Roof Vent



UNEVEN TEMPERATURE

Temperature gradient
→ Aeration



HIGH FINES

Restricted airflow
→ Pre-cleaning +
controlled filling



LOCAL HEATING

Temperature increase
→ Monitoring +
inspection



RESIDUAL GRAIN

Carryover between batches
→ Complete unloading +
cleaning

Outside Air → Aeration Fan → Floor Duct → Grain Bed → Roof Vent
Aeration controls grain temperature and moisture migration; it is not a substitute for drying.



Stable grain storage depends on coordinated aeration, monitoring, filling quality and complete unloading.