

FEED SMARTER.

FEED LESS, SAVE MORE

Scan the code to see how you can feed fewer pounds, cut your feed bill and boost performance with DDG cubes!



MASTERHAND[®]
MILLING

**100% DRIED DISTILLERS GRAIN
RANGE CUBES & PELLETS**

(405) 777-9135 MASTERHANDMILLING.COM f i y t

THE 7 MOST EXPENSIVE WORDS IN THE CATTLE INDUSTRY
“WE HAVE ALWAYS DONE IT THIS WAY.”

REVOLUTIONIZING THE RANGE

Blending innovation and practical nutrition, MasterHand Milling's 100% distillers grain range cubes are setting a new standard in cattle feeding.

Skip the gimmicks, fillers and blends and focus on nutrition that's as effective as it is efficient. Packed with concentrated protein and energy, MHM extruded range cubes and pellets allow you to feed less, reduce labor and expenses, and promote optimum performance. All in a durable, easy-to-feed product guaranteed to change the way you think about feeding cattle.



- ✓ **SIMPLIFIED FEEDING**
Versatile cubes can be fed to cattle at all stages in bunks or on the ground.
- ✓ **FEED LESS, SAVE MORE**
High nutrient density reduces feeding rates and can lower feed expenses.
- ✓ **SUPPORT HERD HEALTH**
Low starch content helps reduce digestive issues like bloat and acidosis.
- ✓ **STRETCH FORAGE**
Offset grass intake to increase stocking rates and grow profits without adding acreage.
- ✓ **ADD QUALITY POUNDS**
High energy, high protein cubes promote bone and muscle growth in young cattle.
- ✓ **BOOST PERFORMANCE**
Concentrated nutrients support cow body condition, milk production and rebreeding.



7/8" RANGE CUBE

The 7/8" extruded range cube was designed for feeding on pasture. Durable and compact, these cubes can be fed out of cake boxes and other automated feeders.



7/8" TRANSITION CUBE

A slightly shorter length than our standard 7/8" extruded cube, the transition cube is a highly versatile option suitable for calves, yearlings or cows.



1/4" CREEP PELLET

Containing the same concentrated nutrients as the larger cubes, the 1/4" creep pellets work well in free-choice feeders, bunks or included in a mixed ration.

GUARANTEED ANALYSIS

Crude Protein Min 28.0%
Crude Fat Min 7.0%
Crude Fiber Max 7.0%
Phosphorus Min 0.7%
Moisture Max 13.0%

INGREDIENTS

Corn Distillers Dried Grains with Solubles, Grain Sorghum Distillers Dried Grains with Solubles

FEEDING RATES

Cows

Lactating: 2 – 4 lbs. hd/day
Dry: 1 - 3 lbs. hd/day

Weaned Calves

2 – 5 lbs. hd/day

Yearlings

Winter Grass: 3 – 5 lbs. hd/day
Summer Grass: 1 – 3 lbs. hd/day

28%

MIN. PROTEIN

7%

MIN. FAT

7%

MAX. FIBER

84%

MIN. TDN

WHY DISTILLERS GRAIN?

Dried distillers grain has been a proven staple in confined feeding operations for years. MasterHand Milling's 100% distillers grain cubes offer a revolutionary way to bring those same benefits to cattle on pasture. The unique combination of concentrated protein and energy with very low starch promotes better performance and improves feed efficiency, while reducing feed volume and expense.

THE DIFFERENCE IS IN THE EXTRUSION

MasterHand Milling produces range cubes using a specialized extrusion technology originally adapted from the plastics industry. This process sets MHM products apart from traditionally pelleted products that are soft, breakable or utilize heavy binders.

OUR UNIQUE EXTRUSION PROCESS:

- Transforms loose DDG into a **consistent, high protein, high energy cube**
- Creates a compact, durable cube **ideal for feeding on pasture**
- Breaks down fiber, increasing digestibility, exposing fat and protein, and **boosting final net energy**

INDUSTRY LEADING RESEARCH

In partnership with Oklahoma State University and Buffalo Feeders, MasterHand Milling has conducted pioneering research on the use of distillers grain range cubes in various grazing settings and the subsequent impact on feedlot and carcass performance. Beginning in summer 2019, associate professor Dr. Paul Beck and his team of OSU graduate students have designed new trials each year to collect grazing, feedlot and carcass data on yearling steers. Cattle are fed MasterHand's 100% distillers grain range cubes according to each study's parameters and then finished at the Buffalo Feeders yard. The trials have examined a range of variables such as supplementation rate, stocking rate, timing of supplementation across seasons, and the effects of pasture fertilization and grass type.

KEY FINDINGS

INCREASED GAINS & RETURNS ON GRASS

Fed cattle gained up to 1 pound more per day than unfed cattle, increasing return per acre and allowing for more flexible stocking rates without damage to pastures. Trial cattle maintained better rate of gain in late summer as forage quality declined. Optimum feeding rate was 2-4 pounds per head per day.

IMPROVED FEEDLOT PERFORMANCE

Cattle fed distillers grain cubes on pasture transitioned quicker and started on feed faster with fewer setbacks than control group cattle that were not fed. The trial cattle gained more, had better dry matter conversion, and finished faster compared to the unsupplemented cattle.

ENHANCED CARCASS QUALITY

Ultrasound data on cattle fed DDG cubes on grass showed lower stress scores when entering the feedyard, more intramuscular fat and consistently larger ribeye area than unsupplemented cattle. Trial cattle were more likely to grade choice or higher and yield a larger carcass.

SCAN TO SEE THE DATA

Find complete Oklahoma State University trial data, interviews with the researchers and more online!





LEVEL UP YOUR GRAZING GAME

When it comes to maximizing the potential of growing cattle, the key is to provide superior nutrition at a reasonable cost. From weaning calves to grazing yearlings, MasterHand Milling's dried distillers grain products can help improve performance while reducing labor and feed expenses.

MHM cubes and pellets offer highly concentrated protein and energy with almost zero residual starch. This increased nutrient density promotes efficient bone and muscle growth without excess fat, preparing cattle to perform at their peak in the feedyard. Plus, the highly palatable cubes naturally attract calves to the feed line, reducing stress and encouraging faster gains during weaning or in the feedlot.

With naturally high phosphorous content, MHM cubes reduce the need for both top quality roughage and expensive mineral. Used on pasture or in confinement, just 2-3 pounds per day can help maximize growth, reduce cost of gain and create more flexibility in your operation.

MISSOURI TRIAL TESTS DDG VS. CORN RATION

A 2023 Missouri State University study led by Dr. Adam McGee compared extruded DDG range cubes to more traditional high-starch blended rations commonly used for growing cattle. The trial studied heifers from the University's purebred Hereford program. The eight-week trial found the **heifers fed distillers grain cubes had a higher average daily weight gain** compared to those fed the corn-based ration.

TRIAL PROVEN, CUSTOMER APPROVED

I've always liked feeding distillers grain, but having it in cube form gives you a lot more flexibility in where you feed it. I think there's a lot of power in feeding these distillers cubes in the summer. Increasing stocking rate, increasing gain, and nearly doubling gain per acre certainly has economic power.

DR. PAUL BECK
OKLAHOMA STATE UNIVERSITY

Cattle fed MasterHand Milling range cubes started faster, gained better, had an improved dry matter conversion, and had a superior carcass to control pens that were not fed the range cubes. It looks like this is truly a value added product you can use to improve the performance of your cattle being retained in the feedyard.

TOM FANNING
BUFFALO FEEDERS



NEW!

MASTERHAND MILLING'S RANCHREADY FINISHING PROGRAM

THE SIMPLIFIED SOLUTION FOR ON-FARM FINISHING

With consumer demand for locally raised, quality beef at an all-time high, many producers are seeking to finish their own cattle at home on the ranch. **Introducing the RanchReady Finishing program — a streamlined limit feeding protocol specifically designed to make it easier than ever for ranchers to finish their cattle efficiently and effectively.**

The RanchReady Finishing program combines the benefits of MasterHand Milling's high-protein distillers grain pellets and rolled corn, creating a simple step-by-step plan to take your animals from pasture to prime. Skip the tractors, hay grinders and mixing wagons. The RanchReady protocol is straightforward and equipment-light, using simple three-ingredient rations from start to finish, no feedlot required!

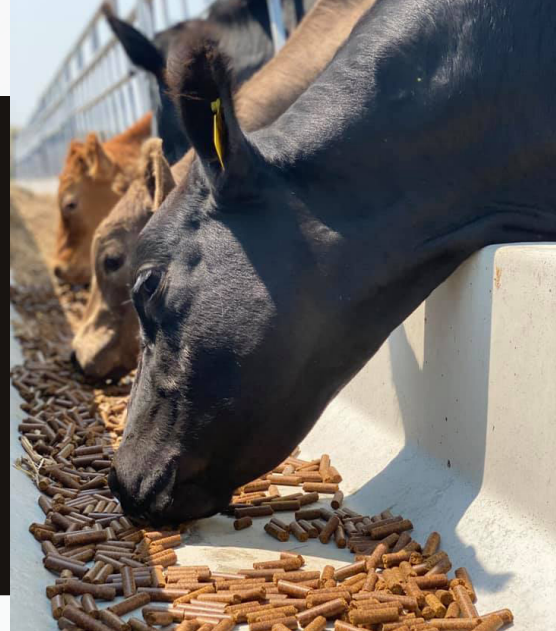
MasterHand Milling's innovative new RanchReady Finishing program is your blueprint for consistent, profitable, farm-finished beef. **Capturing more value while meeting consumer demand is today's ranching revolution, and with RanchReady Finisher, it's your ranch, your beef, your success.**

NO COMPLICATED RATIONS — JUST SIMPLE, PROVEN NUTRITION

	STEP UP RATION	FINISHING RATION
100% DDG 1/4" PELLETS	35.3%	27.8%
ROLLED CORN	62.6%	70.2%
MINERAL PACKAGE	2.0%	2.0%

VIEW THE FULL PROGRAM FOR FREE!

Scan the code to see the complete RanchReady program details and feeding recommendations.



STEP-BY-STEP PASTURE TO FINISH

1.

WEAN & PRECONDITION

- Follow your preferred vaccination protocol.
- Begin feeding MHM cubes/pellets, gradually working up to 5 lbs. per head per day.

2.

ADAPTATION WEEK

- Calves move to finishing pen weighing about 750 pounds.
- Continue 5 lbs. per day of cubes/pellets and free-choice hay for 7 days.

3.

STEP UP PHASE

- Replace 5 lbs. of MHM cubes/pellets with 5 lbs. of the Step Up ration.
- Increase by 2 lbs. every other day working up to 19 lbs. per day.
- Maintain at 19 lbs. per day for 14 days.

4.

FINISHING PHASE

- After 14 days, feed a 50/50 mix (10 lbs. each) of Step Up and Finishing ration for 2 days.
- Switch to 100% Finishing ration (20 lbs./day and increase by 2 lbs. every 28 days until reaching final finishing weight.

PUT A PENCIL TO IT

AVERAGE FEED COST COMPARISONS

_____ VS. **MASTERHAND MILLING CUBES**

AVERAGE COST PER POUND PROTEIN

1. \$ _____ /ton including freight and delivery
PRICE

2. _____ % protein
% PROTEIN
2000 lbs x _____ = _____ lbs
% PROTEIN AS DECIMAL protein per ton

3. \$ _____ / _____ = \$ _____
PRICE PER TON LBS PROTEIN PER TON per lb of protein

1. \$ _____ /ton including freight and delivery
PRICE

2. _____ % protein
% PROTEIN
2000 lbs x _____ = _____ lbs
% PROTEIN AS DECIMAL protein per ton

3. \$ _____ / _____ = \$ _____
PRICE PER TON LBS PROTEIN PER TON per lb of protein

AVERAGE FEED COST PER HEAD PER DAY

1. \$ _____ / 2000 lbs = \$ _____
PRICE PER TON per pound

2. \$ _____ x _____ lbs = \$ _____
COST PER LB LBS FED PER DAY cost/head/day

1. \$ _____ / 2000 lbs = \$ _____
PRICE PER TON per pound

2. \$ _____ x _____ lbs = \$ _____
COST PER LB LBS FED PER DAY cost/head/day



MORE FROM MHM



IGNITE™ CALF STARTER

Ignite combines the concentrated energy and protein of distillers grain pellets with powerful additives to provide the nutrition young calves need to grow quickly and efficiently.

- ✓ Encourage calves to eat sooner
- ✓ Reduce stress and recovery time
- ✓ Stimulate rumen development
- ✓ Maintain gut health and digestion
- ✓ Support immune system function



RACK REVOLUTION MAGNIFY® DEER FEED

Whether you're looking to improve herd health, grow bigger antlers or simply attract deer to your stand, Magnify is a unique DDG-based supplement designed to fill nutritional gaps and maximize your deer herd's potential.

- ✓ Unrivaled nutrient guarantee
- ✓ Digestion aid and mineral pack
- ✓ Durable, easy-to-feed pellets
- ✓ Natural aroma to draw deer in
- ✓ Zero fillers, binders or molasses



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