



Tip

Tuesday!

What is 305-AA?

305-AA stands for 305-Average Age. It is the new standardized yield estimation to compare cows of different ages, parities, climates, seasons of calving, and lactation lengths. This management tool estimates a cow's production for a given lactation, adjusted to 36 months of age, 2x milking frequency, and utilizing partial yield measurements captured by milk testing.

Why were 305-AA values developed?

This evolution from 305-ME to 305-AA is designed to better align with today's management practices and environmental impacts on production levels. The 305-ME adjustments were last updated in 1994. Research demonstrates that genetic selection impacts maturity patterns, and after 30 years, both management and the biology of the cow have changed. The industry needs updated tools to make accurate, fair comparisons among cows. This transition and the new 305-AA are based on a 2023 study by USDA AGIL and CDCB, analyzing more than 100 million milk yield records in the National Cooperator Database.

Will DRMS replace 305-ME values?

No, DRMS will offer 305-AA values in addition to all other lactation values.

How can I get 305-AA values for my cows?

305-AA values can only be calculated for herds that participate in DHIA, send data to DRMS, and opt to send production data

Cow 5643

34559999

BreedHO

Group8

Birthdate06/01/2015

Barnname5643

DHI IDHO840003126098412

RFD840003126098456

Active

Back to CowCompass

current as of 11/15/2024

Current

ID

Events

Lactation

Testday

Breeding

Vet Check

Genetic

Health

Protocols

Chores

Sick

Growth

Zoetis

Lactation Production Summary

P305ECM	ME305M	ME305F	ME305P	AA305M	AA305F	AA305P	AA305SCS	365 milk	365 fat	365 pro	HM DevM	HM DevF	HM DevP
37713	29311	1318	910	28114	1195	904	86	---	---	---	194	-31	-26
47153	33031	1708	1056	31267	1562	1021	97	0	0	0	2279	372	62
48411	36608	1723	1190	33580	1539	1098	61	46557	2147	1493	5395	371	198
42879	33187	1655	1067	28818	1397	946	101	40702	1984	1315	1303	340	92

to CDCB. Cows that pass the CDCB edits received a 305-AA value for each lactation. As new test day data is sent to CDCB, 305-AA values for lactations in progress are updated and returned to DRMS.

Where do I go to see my 305-AA values?

CowCompass is part of the DRMS HerdHQ suite of web products. There is no software to download. You can access CowCompass if you have internet access and a current web browser. If you are new to CowCompass, DRMS offers a 30-day free trial, after which you can subscribe to CowCompass or the full HerdHQ suite of products for no more than \$25/mo. 305-AA values are viewable within the lactation tab of CowCompass. To view these values:

1. Log in to drms.org
2. Select HerdHQ
3. Select CowCompass

How does 305-AA compare to 305-ME?

Based on comparing first lactation cows at 305 Days in Milk, correlations between 305-AA Milk and 305-ME Milk were 0.93, Fat is 0.94, and Protein 0.92, indicating that there is a high correlation, and rankings would not substantially change. The difference between 305-AA and 305-ME values is greater in early lactation but grows smaller as the cows are later in lactation.

What are the future plans for 305-AA values?

Depending on the level of interest, DRMS is considering adding the 305-AA values as new DBIs to Dart herd management software.