

Fact sheet

Changes coming to MSA

Opportunity Index

What is the MSA Index?

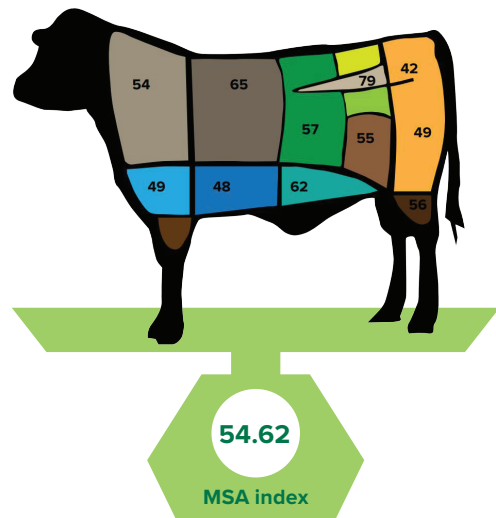
The MSA Index is a single number and standard national measure of the predicted eating quality and potential merit of a carcass.

The MSA Index is a number between 30 and 80, expressed to two decimal places (e.g. 54.62). It is a weighted average of the predicted MSA eating quality scores of 39 MSA cuts in a carcass.

The MSA Index is independent of any processing inputs and is calculated using only attributes influenced by pre-slaughter production. It is a consistent benchmark which can be used across all processors, geographic regions and over time. It reflects the impact on eating quality of management, environmental and genetic differences between cattle at the point of slaughter.

The MSA Index will be calculated in myMSA once grading data from the processor is received.

Example



MSA index = Weighted average of the predicted MSA eating quality scores

The MSA Index is calculated for all carcasses which meet minimum MSA requirements.

What is the Opportunity Index?

The Opportunity Index helps producers focus their attention on where financial gains can be made and it helps benchmark carcass attribute performance.

It tells producers what their Index would have been if non-compliant carcasses had met the MSA minimum requirements.

In 2017-18, this lost opportunity was estimated to be more than \$20 million, when considering the price differentials for MSA and non-compliant cattle.

Reasons carcasses may get an Opportunity Index:

- ✓ ultimate pH greater than 5.70
- ✓ rib fat greater than 3mm
- ✓ inadequate fat distribution.

The Opportunity Index is calculated for all carcasses which don't meet the minimum MSA requirements.

How will it be calculated?

To calculate the Opportunity Index, the failing carcass attributes will be adjusted to be within tolerance i.e. 2mm rib fat would be adjusted to 3mm and pH 5.80 would be adjusted to 5.70.

How do I access the Opportunity Index?

Producers can access the Opportunity Index for carcasses that don't meet MSA minimum requirements in myMSA. The Index appears on MSA carcass feedback sheets.

Example of MSA carcass feedback report in myMSA showing the MSA Index and Opportunity Index

myMSA report: MSA carcass feedback – Producer

Meets MSA minimum requirements, fails company specifications

Body	RFID	NLIS	MFV	SY	HGP	Risse	Hang	Sex	HSCW	TBC	Hump	OSS	MSAMB	ALUSMB	MC	FC	RF	EMA	pHu	Temp	Fat Dist	Hide PD	Fail Misc	MSA Index													
3664	982 000159047228	QFPA0026XGH7898	N	N	Y	N	AT	M	434	0	65	150	120	0	1C	1	20	80	5.45	6.5	N	N	Y	61.00													
3665	123 000159046804	NB413725XBF00337	N	N	Y	N	AT	M	410	0	65	160	220	0	3	1	25	75	5.54	6.1	N	Y	N	59.03													
Average																							422	0	65	160	170	0	3	1	22	77	5.50	6.3	Average		60.02
Group total																							2														

RF	EMA	pHu	Temp	Fat Dist	Hide PD	Fail Misc	MSA Index
20	80	5.45	6.5	N	N	Y	61.00
25	75	5.54	6.1	N	Y	N	59.03
22	77	5.50	6.3	Average			60.02

MSA non-compliant (Fail MSA minimum requirements)

Body	RFID	NLIS	MFV	SY	HGP	Risse	Hang	Sex	HSCW	TBC	Hump	OSS	MSAMB	ALUSMB	MC	FC	RF	EMA	pHu	Temp	Fat Dist	Hide PD	Fail Misc	Opp Index													
3666	567 000289047008	QFPA0026XFP01234	N	N	Y	N	AT	M	434	0	65	150	520	3	1C	1	20	80	5.80	6.5	N	N	N	58.03													
3667	021 000159038524	QF410345XBF00337	N	N	Y	N	AT	M	410	0	65	160	620	4	3	1	2	75	5.54	6.1	N	N	N	61.02													
Average																							422	0	65	160	570	3	3	1	11	77	5.50	6.3	Group total		4
Grand total																							10														

RF	EMA	pHu	Temp	Fat Dist	Hide PD	Fail Misc	Opp Index
20	80	5.80	6.5	N	N	N	58.03
2	75	5.54	6.1	N	N	N	61.02
11	77	5.50	6.3				

For more information

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