

Workshop: ASSAf report

20 June 2017

SANSOR reaction

SANSOR position statement: criteria

	Genome editing				Type of DNA insertion		Breeding with transgenic inducer lines			Others	
Criteria	ODM	SDN-1 ZF-1	SDN-2 ZF-2	SDN-3 ZF-3	Cis- genesis	Intra- genesis	Reverse breeding	RdDM	Accelerated breeding	Grafting	Agro- infiltration
Can it occur naturally?	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No
Is foreign DNA inserted?	No	No	No	Yes	No	No	No	No	No	No	No
Is it distinguishable from conventional variety/hybrid?	No	No	No	Yes	No	No	No	No	No	No	No
Is it a safe change?	Yes	Yes	Yes	CBC assess- ment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is initial assessment needed?	No	No	No	Yes	No	No	No	No	No	No	No
Is it within the scope of legislation under the GMO Act?	No	No	No	CBC initial assess- ment	No	No	No	No	No	No	No

A comparison: SANSOR and ASSAf

	SANSOR	ASSAf
No regulation under GMO Act	No insertion of foreign genetic material	Genetic change is the primary indicator and trigger for regulation
	Insertion of genetic material but from sexually compatible species	
	Product of inserted genetic material not in final plant product	
	Product of inserted genetic material has HOSU	
	The new trait created is familiar and has been risk-assessed previously	
Regulation under GMO Act	If foreign genetic material is inserted	Regulation is implemented for organisms above threshold of natural biosafety risk
Case-by-case assessment	Is the change safe?	Biosafety risk – risk that may occur naturally and that which may not
	Is it within the scope of the GMO Act	The GMO Act provides guidelines for the regulation of GMOs

SANSOR reaction

- Well-aligned
 - Was foreign genetic material introduced that is not present in final product?
 - Could the change have taken place naturally?
 - Product-based regulation process
- Align terminology to that used globally
 - Plant Breeding Innovations, not New Breeding Techniques