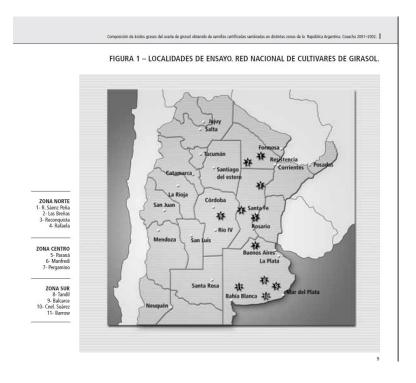
In the forum, some participants suggest that it is important to demonstrate that there are differences when we consider the same seed cultivated in different geographical conditions of Argentina.

This situation is demonstrated in the document Fatty acids composition of sunflower seed oil obtained from certified seeds sown in different regions of the Argentine Republic (fo23_05_add1x.pdf), available in the section MAIN DOCUMENTS.

You can find below, the most important highlights.

The map (page 9) shows the different regions in Argentina where sunflower is cultivated.



The following table details the latitude (south) of the different regions

1	R. Sáenz Peña	26,8
2	Las Breñas	27,1
3	Reconquista	29,1
4	Rafaela	31,2
5	Paraná	31,7
6	Manfredi	31,8
7	Pergamino	33,9
8	Tandil	37,3
9	Balcarce	37,8
10	Cnel Suárez	37,4
11	Barrow	38,3

As an example, the following chart details the behavior of the variety DK-4040 in different growing zones (page 33).

The same information for other varieties is also shown in the mentioned document.

	26,8		27,1			29.1			31,2			31,7			31,8			31,8			33,9					
R S Peña			LAS BREÑAS			RECONQUISTA			RAFAELA			PARANA			MANFREDI 1			MANFRED 2			PERGAMINO			DK-4040		
B-001	B-0002	B-003	B-004	B-005	B-006	B-007	B-008	B-009	B-010	B-011	B-012	B-013	B-014	B-015	B-016	B-017	B-018	B-019	B-020	B-021	B-022	B-023	B-024			
							CRO	матос	RAFIA	ESTER	ES MET	1LICOS	DE LO	S ACID	OS GR	ASOS								Mín	Máx	Prom
								5,9						4,9							4.9					
3.5	3.0	3.7	4.1	3.8	3.7	2.4	2.7	2.3	3.9	3.8	3.8	3.2	3.4	3.0	3.6	3.4	3.4	3.5	3.6	3.2	3.6	3.5	3.8	2.3	4.1	3.4
54.1	44.0	42.8	57.1	57.9	57.3	45.6	45.3	43.2	48.6	45.0	46.8	47.1	38.8	50.3	31.0	31.5	32.6	36.1	32.9	30.2	43.9	40.0	38.0	30.2	57.9	43.3
35.6	46.1	46.3	32.7	31.8	32.4	45.1	45.2	47.3	40.8	44.3	42.7	43.2	51.3	40.3	58.2	58.2	56.9	53.5	56.5	59.4	46.1	49.9	51.7	31.8	59.4	46.5
0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0,0	0.0	0.1	0.0	0.1	0,1	0,1	0.0	0.0	0.1	0.0	0,1	0.0

Latitud S Localidad Ensayo

Oléico C 18.1 Linoleico C 18.2 Composición de ácidos grasos del aceite de girasol obtenido de semillas certificadas sembradas en distintas zonas de la República Argentina. Cosecha 2001–2002.

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Take notice of the tendency that, for the same sunflower variety, in warmer latitudes, the oleic acid content is higher.