

TABLA DE COMPOSICIÓN DE ALIMENTOS PARA RUMIANTES

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Esta tabla forma parte de la base de datos de los programas ReqnovPlus, Ración Plus, Reqnov y Ración del Inta. Los datos provienen fundamentalmente de análisis realizados en la EEA Balcarce y EEA Rafaela. Estos datos deben ser tomados sólo como orientativos. Es recomendable realizar los análisis de los alimentos en laboratorios de reconocido respaldo técnico.

Grupo	Nombre	Forma física	Momento	% MS	% DIVMS	EM (Mcal/kgMS)	% PB	% PDR	% FDN	% Calcio	% Fósforo
grano	avena	entero	****	91.1	69.0	2.48	11.5	55	31.0	0.02	0.30
grano	cebada	entero	****	88.0	84.0	3.02	13.5	70	21.0	0.02	0.30
grano	centeno	entero	****	88.0	84.0	3.02	13.8	0	0.0	0.02	0.30
grano	maiz	entero	****	88.0	91.9	3.25	9.8	60	12.0	0.02	0.20
grano	sorgo	entero	****	86.1	85.0	2.80	8.3	40	20.0	0.04	0.34
grano	trigo	entero	****	87.6	88.0	3.17	15.2	75	30.0	0.04	0.42
fardo	avena	entero	grano lechoso	87.6	58.6	2.11	12.3	45	59.0	0.20	0.20
fardo	moha	entero	encañazon - prefloracion	88.9	58.6	2.11	9.9	60	72.0	0.30	0.10
pastura	base alfalfa	natural	enero - feb - marzo	24.2	62.0	2.40	16.8	60	46.9	1.20	0.60
pastura	base alfalfa	natural	abril - mayo - junio	21.0	76.3	2.56	22.8	50	40.0	0.90	0.30
verdeo	avena	natural	junio - julio - agosto	19.0	78.8	2.84	23.2	80	0.0	0.00	0.00
subprod	algodon	cascara	****	87.4	22.8	0.82	6.9	0	80.0	0.30	0.37
subprod	soja	expeller	****	98.1	80.0	2.88	45.2	72	14.0	0.30	0.70
subprod	soja	pellets	****	88.1	90.8	3.27	45.4	72	23.0	0.30	0.70
silaje	avena	picado grueso	****	18.8	66.4	2.39	20.1	75	63.0	0.30	0.20
silaje	maiz	picado fino	grano pastoso	29.3	59.2	2.13	6.3	75	54.0	0.40	0.20
silaje	maiz	picado grueso	grano pastoso	28.0	56.5	2.20	7.8	75	68.0	0.20	0.10
fardo	base alfalfa	entero	principios floracion	88.5	59.6	2.15	18.8	60	56.0	1.40	0.20
rollo	base alfalfa	entero	20% floracion	88.9	51.5	1.85	16.4	60	63.6	1.40	0.20
fardo	moha	entero	25% panojamiento	88.9	56.3	2.03	9.6	50	74.0	0.30	0.10
fardo	moha	entero	50% panojamiento	88.5	46.8	1.68	6.7	40	85.0	0.30	0.01
fardo	soja	entero	prefloracion	87.9	62.0	2.23	10.7	60	65.0	1.40	0.20
fardo	soja	entero	forma chaucha	87.9	63.3	2.28	9.4	50	53.0	1.40	0.20
fardo	soja	entero	van. no chaucha	82.3	52.6	1.89	13.3	40	59.0	1.40	0.20
verdeo	soja	natural	45 cm. altura	0.0	69.9	2.52	16.6	80	0.0	0.00	0.00
verdeo	soja	natural	60 cm altura	0.0	66.1	2.37	18.0	75	0.0	0.00	0.00
fardo	soja	entero	rastrojo	87.6	41.5	1.49	5.3	30	70.0	1.40	0.20
fardo	sorgo forrajero	entero	1 m altura	87.5	50.2	1.81	8.1	70	71.0	0.40	0.40
fardo	trebol rojo	entero	veget. tardio	87.3	60.5	2.18	17.0	65	49.0	1.30	0.20
fardo	trebol rojo	entero	principio floracion	87.8	62.7	2.26	18.3	60	52.0	1.30	0.20
fardo	trebol rojo	entero	50% floracion	88.9	62.3	2.24	12.6	50	55.0	1.30	0.20
fardo	base alfalfa	entero	principios floracion	85.8	57.7	2.08	21.3	60	58.0	1.40	0.20
rollo	avena	entero	grano pastoso	88.4	53.8	1.94	9.7	45	72.3	0.20	0.20
rollo	moha	entero	encañazon - prefloracion	88.8	52.3	1.88	9.6	50	70.9	0.30	0.10
rollo	moha	entero	principios panojamiento	90.4	57.0	2.05	9.7	45	69.2	0.30	0.10
rollo	sorgo	entero	1 m. altura	88.4	41.5	1.49	6.6	70	78.0	0.40	0.40
rollo	soja	entero	prefloracion	90.8	60.7	2.19	12.2	45	58.0	1.20	0.30

rollo	soja	entero	forma chaucha	90.7	63.2	2.28	7.5	35	52.0	1.20	0.30
rollo	trebol rojo	entero	principios floracion	89.3	65.2	2.35	16.1	50	50.0	2.20	0.30
rollo	base alfalfa	entero	principios floracion	91.0	53.0	1.91	14.0	70	60.3	1.40	0.20
rollo	base alfalfa	entero	20% floracion	90.6	44.5	1.60	9.8	60	66.0	1.40	0.20
silaje	malta	picado grueso	****	27.1	40.9	1.47	30.6	0	58.0	0.00	0.00
silaje	maiz guinea	picado grueso	****	25.4	51.6	1.86	6.1	0	80.0	0.00	0.00
silaje	sorgo	picado fino	****	23.3	47.4	2.30	6.4	65	70.0	0.30	0.10
silaje	sorgo	picado grueso	****	22.8	47.4	1.71	9.1	60	70.0	0.30	0.20
subprod	algodon	cascarilla	****	90.7	21.0	0.76	6.8	0	85.0	0.15	0.09
fardo	alfalfa	entero	principios floracion	88.9	59.0	2.28	17.0	75	57.0	1.40	0.20
subprod	algodon	expeller	****	91.0	59.2	2.50	45.2	63	43.0	0.40	1.20
subprod	algodon	semilla	****	92.0	33.9	3.30	27.2	75	40.0	0.45	0.82
subprod	algodon	torta	****	87.4	56.1	2.02	43.9	0	30.0	0.40	1.20
subprod	arroz	afrecho	****	89.5	67.9	2.44	17.7	75	31.0	0.22	2.00
subprod	arroz	arrocín	****	88.8	82.4	2.97	9.2	75	2.0	0.02	0.17
subprod	bagazo hidr	****	****	91.0	50.6	1.82	1.2	70	54.0	0.90	0.20
subprod	batata	entera	****	32.0	86.1	3.10	2.6	0	0.0	0.25	0.23
subprod	calabacita	****	****	15.7	88.1	3.17	16.8	88	38.0	0.00	0.00
subprod	c de pollo	****	****	78.8	72.5	2.61	16.5	80	25.0	3.15	1.60
subprod	girasol	cascara	****	91.6	19.8	0.71	3.8	60	81.0	0.55	0.31
subprod	girasol	expeller	****	90.0	60.0	2.16	36.0	75	30.0	0.40	1.00
subprod	girasol	pellets	****	90.5	70.0	2.52	32.0	75	40.0	0.40	0.90
subprod	hez de malta	****	****	16.0	66.3	2.39	29.0	40	52.0	0.30	0.60
subprod	hez de malta	****	****	32.5	66.3	2.39	30.5	40	52.0	0.30	0.60
subprod	lino	expeller	****	90.0	62.5	2.80	27.0	60	24.0	0.40	0.90
subprod	lino	harina	****	95.6	80.0	2.88	34.0	35	25.0	0.40	0.80
subprod	maiz	afrechillo	****	90.0	83.8	3.02	17.7	70	51.0	0.05	0.94
subprod	maiz	harina	****	91.0	83.0	2.99	7.8	70	5.0	0.16	0.50
subprod	papa	tuberc. fresc.	madurez	23.0	81.0	2.92	9.5	0	0.0	0.00	0.20
subprod	trigo	afr.(pellet)	****	86.6	70.6	2.54	17.6	80	51.0	0.10	1.30
subprod	zanahoria	raices fresc.	madurez	12.0	84.0	3.02	9.9	0	9.0	0.00	0.00
subprod	zapallo	partido	madurez	41.0	80.2	2.89	19.2	0	13.0	0.00	0.00
pastura	base alfalfa	natural	julio - agosto - set.	21.3	71.1	2.56	12.0	80	39.9	1.20	0.60
pastura	base alfalfa	natural	oct. - nov. - dic.	24.2	65.6	2.36	14.5	80	45.9	1.20	0.60
verdeo	moha	natural	diciembre	22.0	69.7	2.51	11.2	80	0.0	0.00	0.00
pastura	achicoria	natural	enero - feb. - marzo	21.2	61.1	2.20	14.4	80	44.4	1.20	0.50
subprod	urea	granulado	****	100.0	0.0	0.00	275.0	99	0.0	0.00	0.00
subprod	balanceado	pellets	****	88.0	85.0	2.80	18.0	60	18.0	1.00	0.50
fardo	agropiro	entero		88.0	56.0	2.40	12.2	80	40.0	1.00	0.50
pastura	festuca	veg. 1		20.2	70.0	2.65	20.5	84	64.3	0.00	0.50
grano	leche			12.0	80.0	4.29	26.6	2	0.0	0.85	0.76
pastura	trebol rojo		otoño - invierno	18.0	64.0	2.21	19.0	80	25.0	1.00	0.30
pastura	trebol rojo		primavera - verano	19.0	65.0	2.25	21.0	80	38.0	0.90	0.40
pastura	trebol rojo		verano	24.0	57.0	2.05	15.0	75	44.0	1.10	0.30
pastura	agropiro			35.0	50.0	1.80	9.0	75	55.0	0.45	0.15
pastura	festuca	veg. 2		20.5	62.0	2.25	14.0	75	48.0	0.40	0.35
verdeo	avena		i - 1 corte	15.0	66.0	2.60	22.0	80	48.0	0.30	0.40
verdeo	avena		i - ult. corte	22.0	60.0	2.16	18.0	85	52.0	0.30	0.40
verdeo	trigo		invierno	21.0	65.0	2.35	23.0	80	52.0	0.40	0.40
verdeo	raigras		i - 1 corte	18.0	62.0	2.25	18.0	80	45.0	0.55	0.35
verdeo	raigras		i - ult. corte	26.0	60.0	2.15	15.0	80	52.0	0.50	0.30
grano	balanceado	pellets	ternero 1	89.0	77.0	2.80	20.0	38	25.0	0.70	0.50
grano	balanceado	pellets	ternero 2	89.0	75.0	2.70	16.0	46	28.0	0.70	0.50
grano	balanceado	pellets	toros	89.0	77.0	2.80	14.0	42	28.0	0.70	0.60
grano	balanceado	pellets	engorde	89.0	77.0	2.80	13.0	50	28.0	0.70	0.60
verdeo	maiz		verano	23.0	64.0	2.30	7.0	65	54.0	0.25	0.30

verdeo	sorgo		ver - 1 corte	18.0	60.0	2.15	14.0	80	56.0	0.35	0.45
verdeo	sorgo	verano	ult. corte	23.0	55.0	2.00	9.5	80	62.0	0.40	0.25
fardo	alfalfa			88.9	59.0	2.12	13.9	60	57.0	1.40	0.20
grano	maiz		curso	88.6	91.9	3.31	9.8	60	10.0	0.02	0.20
subprod	soja	sojilla		90.8	64.1	2.56	25.3	60	50.3	0.70	0.60
subprod	suero	liquido		6.0	76.0	3.00	2.0	90		0.25	0.25
pastura	pastizal	natural		20.0	65.0	2.40	12.0	75	45.0	1.00	0.50
pastura	avena	octubre		21.0	65.0	2.70	18.0	85	41.0	0.10	0.05
silaje	maiz	centro	santa fe	35.1	60.7	2.19	10.0	75	57.0	0.30	0.10
silaje	sorgo	granifero	santa fe	36.7	57.9	2.10	8.0	75	60.5	0.30	0.10
silaje	sorgo	forrajero	santa fe	28.8	53.6	1.90	8.0	75	65.8	0.30	0.10
silaje	alfalfa	centro	santa fe	35.6	55.3	1.90	16.0	75	58.2	1.00	0.25
silaje	maiz	grano humedo	santa fe	75.8	85.2	3.10	8.4	75	14.3	0.03	0.10
silaje	sorgo	grano humedo	santa fe	62.5	76.9	2.80	10.9	75	25.5	0.03	0.15
rollo	alfalfa	henolaje		45.2	58.6	2.10	17.8	70	54.1	1.00	0.30
rollo	maiz	henolaje		24.0	51.9	1.90	8.3	70	65.8		
rollo	avena	henolaje	granada	45.2	58.9	2.10	13.9	70	63.9	0.20	0.20
rollo	moha	henolaje	santa fe	40.1	53.9	1.90	9.3	70	71.8	0.30	0.10
rollo	mijoperla	henolaje	santa fe	42.5	54.8	1.90	9.8	70	71.6		
rollo	sorgo	henolaje	forrajero	39.5	54.5	2.00	12.5	70	61.5	0.40	0.40
rollo	trebol rojo	henolaje	santa fe	38.7	51.1	1.80	13.0	70	55.7	1.50	0.20
rollo	soja	henolaje	santa fe	31.4	59.1	2.10	18.8	70	52.0	1.20	0.30
pastura	colonial			25.0	65.0	2.34	8.0	70	50.0	0.50	0.50
silaje	alfalfa	picado	embolsado	68.9	59.5	2.14	20.4	75	48.0	1.00	0.25
rollo	alfalfa	humedo	embolsado	65.5	60.7	2.18	22.7	75	49.3	1.00	0.30
silaje	alfalfa	silopaq		66.0	61.0	2.19	23.0	75		1.20	0.25
fardo	alfalfa			86.6	51.3	1.84	21.5	75	58.7		
silaje	alfalfa			55.6	63.6	2.29	21.3	80	39.2	1.20	0.25
silaje	alfalfa			51.5	62.9	2.26	23.3	80	37.4	1.20	0.25
silaje	alfalfa			47.9	64.1	2.31	20.8	80	35.3	1.20	0.25
silaje	maiz	espiga		40.9	75.7	2.73	8.3	64	30.9	0.30	0.10
silaje	maiz			29.5	66.3	2.39	8.6	65	49.2	0.30	0.10
silaje	maiz			23.6	59.8	2.15	8.4	65	63.7	0.30	0.10
silaje	maiz			20.9	55.9	2.01	8.1	65	64.4	0.30	0.10
silaje	maiz			29.8	60.2	2.17	9.0	75	55.1	0.30	0.10
silaje	maiz			61.4	61.4	2.49	12.7	70	69.3	0.30	0.10
silaje	maiz			18.9	45.4	1.63	6.2	70	43.9	0.30	0.10
silaje	maiz	embolsado		34.5	61.2	2.20	8.5	80	52.0	0.30	0.10
silaje	maiz	embolsado		55.0	69.3	2.50	13.0	80	63.6	0.30	0.10
silaje	maiz	embolsado		19.5	51.9	1.87	80.0	80	43.1	0.30	0.10
silaje	sorgo	granifero		34.1	60.7	2.19	8.9	70	53.5	0.30	0.10
silaje	sorgo	forrajero		27.9	55.7	2.01	9.1	70	63.1	0.30	0.10
silaje	maiz	grano humedo		74.6	84.3	3.03	8.8	70	15.9	0.02	0.30
silaje	sorgo	grano humedo		78.1	81.9	2.94	8.4	70	17.7	0.03	0.15
silaje	maiz	balcarce		30.0	65.0	2.30	8.0	80	45.0	0.23	0.22
pastura	festuca	no toxica		28.0	66.6	2.40	12.2	80	40.0	1.00	0.50
pastura	festuca	toxica		32.6	53.2	1.92	12.9	80	40.0	1.00	0.50
pastura	pastizal	natural	balcarce	41.1	38.5	1.39	11.6	50	51.4	0.80	0.40
subprod	grasa	solido		96.0		6.50					
subprod	maiz	glutenfeed		93.0	80.0	2.90	23.0	75	47.0	0.36	0.82
subprod	maiz	glutenmeal		91.0	90.0	3.38	46.7	45	37.0	0.16	0.82
subprod	plumas	harina		93.0		3.40	88.6	30	4.0	0.20	0.75
mineral	fosfato	dicalcico		99.0						22.00	18.00
mineral	carbonato	calcio		99.0						37.62	
mineral	conchilla			99.0						34.00	
mineral	fosfato	diamonico		99.0			115.0	99		0.52	21.00
subprod	galletitas	descarte		90.0	90.0	3.32	10.0	80	22.0	0.15	0.30

% MS - Porcentaje de Materia Seca

% DIVMS - Porcentaje de Digestibilidad in Vitro de Materia Seca

EM (Mcal/kgMS) - Energía Metabólica

% PB - Porcentaje de Proteína Bruta

% PDR - Porcentaje de Proteína Degradable en el Rúmen

% FDN - Porcentaje de Fibra Detergente Neutro

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