

**ZTP-406 RASYON HAZIRLAMA TEKNİKLERİ Dersi- YOĞUN YEM HAMMADDELERİ BESİN MADDE İÇERİKLERİ (Prof.Dr.H.R.Kutlu-27.03.2017)**

KOD	HAMMADDE	KM	MErum	MEkan	HPr	ByPass_Pr	HSel	HKül	HYağ	LYSINE	MET+CYS	ARGIN	THREON	TRİPTOP
		%	KCal/Kg	KCal/Kg	%	%	%	%	%	%	%	%	%	%
1	MISIR	88.0	2,950	3,240	7.4	2.58	2.58	1.46	3.55	0.22	0.32	0.36	0.27	0.06
2	SORGUM	88.0	2,890	3,200	9.8	2.93	2.23	2.10	2.90	0.21	0.35	0.37	0.32	0.08
3	BUĞDAY	89.0	2,800	3,000	12.0	3.00	3.50	2.10	2.00	0.33	0.45	0.57	0.34	0.14
4	ARPA	90.0	2,700	2,900	10.1	3.12	5.32	2.71	1.71	0.40	0.42	0.54	0.37	0.12
5	ÇAVDAR	90.0	2,630	2,770	9.5	2.00	2.50	1.57	1.57	0.34	0.37	0.48	0.31	0.09
6	YULAF	90.0	2,570	2,540	10.5	2.21	10.50	3.20	4.50	0.42	0.48	0.68	0.35	0.14
7	MISIR KEPEĞİ	88.0	2,680	1,700	20.0	2.00	9.20	5.50	2.00	0.83	0.64	1.10	0.90	0.10
8	PİRİNÇ KEPEĞİ	89.0	2,800	2,700	12.7	1.90	10.50	8.70	16.80	0.58	0.52	0.99	0.48	0.16
9	BONKALİTE	88.0	2,650	2,670	15.0	4.50	7.00	4.00	3.50	0.58	0.46	0.97	0.37	0.22
10	ROZMAL	88.0	2,600	2,350	14.9	4.47	7.60	4.20	3.70	0.00	0.00	0.00	0.00	0.19
11	BUĞDAY KEPEĞİ ince	88.0	2,450	1,540	14.0	4.20	9.00	5.50	3.30	0.00	0.00	0.00	0.00	0.21
12	BUĞDAY KEPEĞİ kaba	89.0	2,480	1,520	15.1	4.52	10.20	4.72	4.17	0.58	0.52	0.99	0.48	0.22
13	MISIR GLUTEN UNU	90.0	3,000	3,200	66.0	35.00	2.00	1.50	2.00	0.98	2.41	1.83	2.00	0.3
14	D.D.G.S.	89.0	2,820	2,180	27.0	14.58	6.00	4.00	10.00	0.85	1.18	1.25	1.05	0.21
15	AYÇ.KÜSPESİ-34	88.0	2,150	1,530	34.0	0.00	20.00	6.50	2.70	1.18	1.29	2.78	1.22	0.41
16	AYÇ.KÜSPESİ-37	91.0	2,130	1,620	37.3	8.21	22.83	6.54	1.94	1.27	1.40	3.10	1.32	0.45
17	PAMUK TOH. KÜSPESİ-22	92.0	2,000	2,370	22.0	8.80	19.10	4.40	21.30	0.93	0.72	2.40	0.72	0.68
18	PAMUK TOH. KÜSPESİ-38	88.0	2,300	1,290	38.0	11.40	21.00	6.34	1.40	1.48	1.16	4.26	1.17	0.88
19	TAM YAĞLI SOYA	92.0	3,240	3,350	37.0	6.10	6.50	4.95	17.30	2.45	1.20	2.90	1.55	0.55
20	SOYA KÜSPESİ-44	88.0	2,520	2,400	44.0	16.72	6.00	5.80	1.20	2.66	1.30	3.19	1.72	1.51
21	SOYA KÜSPESİ-48	88.0	2,560	2,430	47.0	16.10	6.50	5.80	1.50	2.80	1.36	3.35	1.80	1.66
22	BALIK UNU-65	91.0	2,900	3,200	65.0	42.25	1.00	10.40	10.00	4.60	2.29	3.69	2.59	0.71
23	BALIK UNU-67	91.0	2,950	3,100	67.0	43.55	1.00	15.00	7.50	4.81	2.39	3.82	2.69	0.73
24	ET KEMİK UNU-34	92.0	2,150	2,300	34.0	14.62	2.00	39.00	16.00	1.36	0.45	2.51	0.78	0.94
25	TAVUK TÜY UNU	91.0	2,510	3,110	56.0	37.52	1.50	10.00	13.00	2.06	2.85	3.72	2.51	2.21
26	BİTKİSEL YAĞ	99.0	6,674	8,300	0.0	0.00	0.00	0.50	99.00	0.00	0.00	0.00	0.00	0.00
27	AYÇİÇEK YAĞI	99.0	6,840	8,690	0.0	0.00	0.00	0.10	99.00	0.00	0.00	0.00	0.00	0.00
28	PAMUK YAĞI	99.0	6,350	8,140	0.0	0.00	0.00	0.00	99.00	0.00	0.00	0.00	0.00	0.00
29	SOYA YAĞI	99.0	7,200	8,650	0.0	0.00	0.00	0.50	99.00	0.00	0.00	0.00	0.00	0.00
30	ASİT YAĞI	99.0	6,600	7,520	0.0	0.00	0.00	0.50	99.00	0.00	0.00	0.00	0.00	0.00
31	MELAS	78.0	2,200	1,980	10.0	0.60	0.10	9.80	0.20	0.00	0.00	0.00	0.00	0.00
32	ÜRE-46	98.0	0	0	281.0	0.00	0.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00
33	TUZ	97.0	0	0	0.0	0.00	0.00	86.79	0.00	0.00	0.00	0.00	0.00	0.00
34	SODYUM BİKARBONAT	98.0	0	0	0.0	0.00	0.00	62.86	0.00	0.00	0.00	0.00	0.00	0.00
35	KALSİYUM KARBONAT	99.0	0	0	0.0	0.00	0.00	99.00	0.00	0.00	0.00	0.00	0.00	0.00
36	DCP 18	97.0	0	0	0.0	0.00	0.00	94.52	0.00	0.00	0.00	0.00	0.00	0.00
37	MERMER TOZU	98.0	0	0	0.0	0.0	0.0	97.01	0.00	0.00	0.00	0.00	0.00	0.00

KOD	HAMMADDE	NİŞASTA	ŞEKER	ADF	NDF	LİNOL. ASİT	Ca	P (tot)	P (yar)	Na	K	Cl	S	Mg
		%	%	%	%	%	%	%	%	%	%	%	%	%
1	MISIR	61.5	1.80	2.68	9.00	1.10	0.04	0.26	0.06	0.00	0.32	0.05	0.11	0.11
2	SORGUM	63.8	1.30	9.00	18.00	1.10	0.03	0.30	0.10	0.04	0.35	0.06	0.09	0.17
3	BUĞDAY	59.7	2.60	0.00	0.00	0.80	0.05	0.33	0.19	0.06	0.42	0.06	0.12	0.14
4	ARPA	52.2	2.10	6.37	18.00	0.85	0.07	0.37	0.12	0.01	0.50	0.12	0.13	0.85
5	ÇAVDAR	53.3	0.67	0.00	0.00	0.70	0.07	0.35	0.11	0.03	0.48	0.03	0.15	0.70
6	YULAF	39.0	0.68	0.00	0.00	1.40	0.09	0.35	0.12	0.06	0.42	0.10	0.19	1.40
7	MISIR KEPEĞİ	14.0	1.00	38.00	12.00	2.14	0.20	0.90	0.22	0.06	1.30	0.13	0.20	0.70
8	PİRİNÇ KEPEĞİ	23.0	2.00	25.00	44.00	5.00	0.12	1.85	0.65	0.01	1.50	0.06	0.18	0.95
9	BONKALİTE	42.0	5.60	10.58	37.73	1.80	0.51	0.77	0.25	0.06	0.60	0.07	0.23	0.30
10	ROZMAL	35.0	5.00	10.07	35.79	1.75	0.20	0.87	0.30	0.01	1.01	0.04	0.22	0.40
11	BUĞDAY KEPEĞİ ince	15.0	2.00	13.64	37.40	1.70	0.14	1.18	0.38	0.01	1.22	0.08	0.22	0.50
12	BUĞDAY KEPEĞİ kaba	15.8	1.00	13.15	41.43	1.98	0.14	1.11	0.36	0.01	1.23	0.08	0.23	0.52
13	MISIR GLUTEN UNU	16.0	6.00	9.00	37.00	1.20	0.02	0.50	0.18	0.10	0.00	0.00	0.60	0.15
14	D.D.G.S.	8.0	1.00	17.00	43.00	3.20	0.14	0.89	0.55	0.10	0.00	0.00	0.30	0.42
15	AYÇ.KÜSPESİ-34	3.0	1.00	27.00	34.00	1.05	0.35	0.90	0.30	0.20	1.60	0.01	0.32	0.60
16	AYÇ.KÜSPESİ-37	3.0	1.00	24.80	31.90	0.95	0.30	1.10	0.36	0.07	1.70	0.15	0.36	0.62
17	PAMUK TOH. KÜSPESİ-22	2.7	4.80	28.00	38.00	3.50	0.24	1.10	0.35	0.29	1.11	0.00	0.32	0.30
18	PAMUK TOH. KÜSPESİ-38	2.7	4.80	22.00	30.00	2.15	0.20	1.02	0.32	0.05	1.30	0.04	0.30	0.35
19	TAM YAĞLI SOYA	4.7	6.00	7.90	11.80	9.75	0.24	0.56	0.10	0.03	1.70	0.03	0.33	0.24
20	SOYA KÜSPESİ-44	5.7	8.50	10.00	18.00	0.80	0.25	0.62	0.20	0.04	1.97	0.02	0.40	0.26
21	SOYA KÜSPESİ-48	5.5	8.20	7.00	15.00	0.80	0.25	0.64	0.21	0.02	1.97	0.02	0.38	0.27
22	BALIK UNU-65	0.0	0.00	0.00	0.00	0.15	4.30	2.56	2.43	0.68	0.96	0.80	0.50	0.18
23	BALIK UNU-67	0.0	0.00	0.00	0.00	0.14	4.10	2.40	2.30	0.80	0.75	0.90	0.52	0.20
24	ET KEMİK UNU-34	0.0	0.00	0.00	0.00	0.38	12.00	4.50	4.00	1.60	0.50	0.90	0.40	1.00
25	TAVUK TÜY UNU	0.0	0.00	0.00	0.00	2.60	4.00	1.70	1.61	0.30	0.33	0.20	1.50	0.20
26	BİTKİSEL YAĞ	0.0	0.00	0.00	0.00	52.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	AYÇİÇEK YAĞI	0.0	0.00	0.00	0.00	54.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	PAMUK YAĞI	0.0	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	SOYA YAĞI	0.0	0.00	0.00	0.00	53.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	ASİT YAĞI	0.0	0.00	0.00	0.00	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	MELAS	0.0	66.00	0.08	0.08	0.00	0.20	0.02	0.01	0.76	4.40	0.50	0.00	0.05
32	ÜRE-46	0.0	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.09	0.00	0.00	0.00
33	TUZ	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	0.30	59.00	0.00	0.00
34	SODYUM BİKARBONAT	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.37	0.00	0.00	0.00	0.00
35	KALSİYUM KARBONAT	0.0	0.00	0.00	0.00	0.00	38.00	0.00	0.00	0.02	0.06	0.02	0.00	0.00
36	DCP 18	0.0	0.00	0.00	0.00	0.00	24.00	17.80	17.00	0.08	0.12	0.04	0.00	0.00
37	MERMER TOZU	0.0	0.00	0.00	0.00	0.00	37.616	0.02	0.00	0.059	0.12	0.00	0.00	0.00