

Whole Grain NIR Composition of GEM 2005 S4 lines.

Inventory	Pedigree	Relative % (DMB)*		
		Protein	Oil	Starch
05GEM02665	BR52060:S0210-229-001-B-B	13.5	4.6	67.2
05GEM02666	BR52060:S0210-252-001-B-B	12.6	4.5	68.5
05GEM02667	BR52060:S0210-234-001-B-B	12.4	4.7	67.4
05GEM02668	BR52060:S0210-193-001-B-B	11.9	4.3	69.2
05GEM02669	BR52060:S0210-246-001-B-B	13.6	4.6	67.0
05GEM02670	BR52060:S0210-170-001-B-B	14.6	4.5	65.9
05GEM02671	BR52060:S0210-092-001-B-B	14.7	5.0	65.3
05GEM02672	BR52060:S0210-195-001-B-B	12.7	4.2	68.5
05GEM02673	AR01150:S01-010-001-B-B	13.1	4.2	68.5
05GEM02674	AR01150:S01-010-004-B-B	13.2	4.5	68.3
05GEM02675	AR01150:S01-025-001-B-B	12.0	4.4	69.0
05GEM02676	AR01150:S01-045-001-B-B	13.7	4.9	66.6
05GEM02677	AR01150:S01-083-004-B-B	12.7	3.9	69.0
05GEM02678	AR01150:S01-208-002-B-B	11.7	4.1	70.0
05GEM02679	NEI9004:S2818-003-001-B-B	13.2	4.1	68.5
05GEM02680	NEI9004:S2818-005-001-B-B	13.8	4.5	67.6
05GEM02681	NEI9004:S2818-017-001-B-B	13.2	4.6	67.8
05GEM02682	NEI9004:S2818-106-001-B-B	13.5	4.7	67.3
05GEM02683	NEI9004:S2818-025-001-B-B	13.4	4.0	68.5
05GEM02684	NEI9004:S2818-352-001-B-B	13.9	4.0	68.0
05GEM02685	NEI9004:S2818-373-001-B-B	13.7	4.5	67.4
05GEM02686	NEI9004:S2818-376-001-B-B	13.1	4.1	68.6
05GEM02687	NEI9004:S2818-041-001-B-B	14.0	4.5	66.9
05GEM02688	NEI9004:S2818-429-001-B-B	13.6	4.3	67.9
05GEM02689	NEI9004:S2818-494-001-B-B	13.9	4.3	67.5
05GEM02690	MDI022:N2120-124-001-B-B	14.2	4.2	67.7
05GEM02691	MDI022:N2120-152-001-B-B	13.7	4.3	67.8
05GEM02692	MDI022:N2120-218-001-B-B	11.9	3.9	70.4
05GEM02693	MDI022:N2120-230-001-B-B	12.0	3.5	70.9
05GEM02694	MDI022:N2120-253-001-B-B	11.5	3.7	71.4
05GEM02695	MDI022:N2120-284-001-B-B	12.4	3.6	70.1
05GEM02696	MDI022:N2120-333-001-B-B	13.0	3.9	69.2
05GEM02697	MDI022:N2120-399-001-B-B	13.6	4.0	68.5
05GEM02698	MDI022:N2120-309-001-B-B	14.4	4.1	67.3
05GEM02699	MDI022:N2120-454-001-B-B	12.1	3.9	70.4
05GEM02700	MDI022:N2120-492-001-B-B	13.2	3.3	69.9
05GEM02701	NEI9008:S17a15-151-001-B-B	12.2	4.7	68.4
05GEM02702	NEI9008:S17a15-369-001-B-B	13.5	4.6	68.0
05GEM02703	NEI9008:S17a15-426-001-B-B	13.1	4.3	68.7
05GEM02704	NEI9008:S17a15-559-001-B-B	12.2	4.6	68.8
05GEM02705	NEI9008:S17a15-627-001-B-B	11.2	4.4	70.0
05GEM02706	NEI9008:S17a15-637-001-B-B	12.5	4.2	69.1
05GEM02707	NEI9008:S17a15-640-001-B-B	12.4	5.1	68.0
05GEM02708	NEI9008:S17a15-708-001-B-B	11.1	4.5	69.4
05GEM02709	NEI9008:S17a15-740-001-B-B	12.2	4.5	69.1
05GEM02710	NEI9008:S17a15-882-001-B-B	12.7	3.9	68.6
05GEM02711	BIGWHITE:S12-024-001-B-B	13.0	4.2	68.2
05GEM02712	BIGWHITE:S12-042-001-B-B	12.0	4.8	68.9
05GEM02713	BIGWHITE:S12-043-002-B-B	14.9	3.7	67.4

05GEM02714	BIGWHITE:S12-065-001-B-B	12.5	4.1	69.1
05GEM02715	BIGWHITE:S12-067-001-B-B	12.7	4.6	68.0
05GEM02716	BIGWHITE:S12-088-001-B-B	11.9	4.3	69.2
05GEM02717	BIGWHITE:S12-091-001-B-B	13.0	4.4	68.6
05GEM02718	BIGWHITE:S12-101-002-B-B	12.4	4.4	68.9
05GEM02719	BIGWHITE:S12-129-001-B-B	11.3	4.4	70.1
05GEM02720	BIGWHITE:S12-168-001-B-B	14.3	4.5	66.7
05GEM02721	FS8B(S):S17b-008-001-B-B	14.0	4.5	66.8
05GEM02722	FS8B(S):S17b-013-002-B-B	13.3	4.4	68.0
05GEM02723	FS8B(S):S17b-051-001-B-B	13.7	4.3	67.7
05GEM02724	FS8B(S):S17b-060-001-B-B	13.3	4.5	67.5
05GEM02725	FS8B(S):S17b-094-001-B-B	13.1	4.4	68.3
05GEM02726	FS8B(S):S17b-104-001-B-B	14.6	4.1	66.6
05GEM02727	FS8B(S):S17b-148-001-B-B	13.2	4.4	68.0
05GEM02728	BR51675:N0620-033-001-B-B	11.2	4.0	70.9
05GEM02729	BR51675:N0620-053-001-B-B	11.7	4.2	69.8
05GEM02730	BR51675:N0620-060-001-B-B	13.7	4.1	67.7
05GEM02731	BR51675:N0620-066-001-B-B	12.1	4.7	68.6
05GEM02732	BR51675:N0620-098-001-B-B	11.2	3.6	71.2
05GEM02733	BR51675:N0620-117-001-B-B	13.6	4.2	67.9
05GEM02734	BR51675:N0620-191-001-B-B	12.9	3.9	69.4
05GEM02735	BR51675:N0620-224-001-B-B	12.8	4.2	68.7
05GEM02736	BR51675:N0620-253-001-B-B	12.8	4.1	68.3
05GEM02737	BR51675:N0620-257-001-B-B	13.5	4.3	67.4
05GEM02738	AR17056:N2035-421-001-B-B	12.3	4.1	70.4
05GEM02739	AR17056:N2035-435-001-B-B	12.3	3.8	70.1
05GEM02740	AR17056:N2035-473-001-B-B	10.9	4.1	71.3
05GEM02741	AR17056:N2035-480-001-B-B	14.0	3.7	69.0
05GEM02742	AR17056:N2035-489-001-B-B	12.0	4.0	70.4
05GEM02743	AR17056:N2035-491-001-B-B	12.8	3.6	70.1
05GEM02744	AR17056:N2035-503-001-B-B	13.3	3.9	69.3
05GEM02745	AR17056:N2035-530-001-B-B	12.3	3.5	70.9
05GEM02746	AR17056:N2035-550-001-B-B	12.7	3.9	69.7
05GEM02747	AR17056:N2035-566-001-B-B	13.0	4.0	70.0
05GEM02748	UR05017:S0415-012-001-B-B	13.4	3.9	68.6
05GEM02749	UR05017:S0415-037-001-B-B	15.1	3.9	66.8
05GEM02750	UR05017:S0415-062-001-B-B	12.9	4.0	68.9
05GEM02751	UR05017:S0415-075-001-B-B	12.5	4.0	69.2
05GEM02752	UR05017:S0415-088-001-B-B	13.2	3.6	69.2
05GEM02753	UR05017:S0415-180-001-B-B	13.7	4.0	67.9
05GEM02754	UR05017:S0415-180-002-B-B	15.0	4.0	66.9
05GEM02755	UR05017:S0415-179-002-B-B	15.3	4.3	66.3
05GEM02756	UR05017:S0415-174-001-B-B	14.2	4.0	67.2
05GEM02757	UR05017:S0415-165-001-B-B	15.4	3.8	67.9
05GEM02758	UR05017:S0415-157-001-B-B	14.8	3.8	67.3
05GEM02759	UR05017:S0415-151-001-B-B	12.6	4.0	68.4
05GEM02760	UR05017:S0415-147-002-B-B	12.4	4.4	68.8
05GEM02761	UR05017:S0415-115-001-B-B	12.2	4.0	69.6
05GEM02762	UR05017:S0415-114-001-B-B	13.9	3.9	67.6
05GEM02763	UR05017:S0415-113-002-B-B	13.6	4.1	67.9
05GEM02764	UR05017:S0415-104-001-B-B	13.2	4.2	68.0
05GEM02765	UR05017:S0415-096-001-B-B	15.3	3.8	66.5

05GEM02767	UR05017:S0415-191-001-B-B	12.1	3.7	70.4
05GEM02768	AR01150:S0125-579-002-B-B	12.9	4.2	68.9
05GEM02769	AR01150:S0125-611-001-B-B	13.2	4.5	67.9
05GEM02770	MDI022:N2120-012-001-B-B	13.5	3.4	69.6
05GEM02771	NEI9008:S17b16-029-001-B-B	13.9	3.6	68.7
05GEM02772	NEI9008:S17b16-029-003-B-B	13.8	4.0	68.0
05GEM02773	NEI9008:S17b16-071-001-B-B	12.5	3.7	70.3
05GEM02774	NEI9008:S17b16-071-002-B-B	13.8	3.7	68.6
05GEM02775	DK212T:N11a12-387-001-B-B	11.8	4.1	70.3
05GEM02776	DK212T:N11a12-424-001-B-B	12.5	4.1	69.9
05GEM02777	DK212T:N11a12-429-001-B-B	11.8	4.5	70.3
05GEM02778	DK212T:N11a12-470-001-B-B	13.9	3.9	68.1
05GEM02779	DK212T:N11a12-328-001-B-B	13.0	3.4	71.5
05GEM02780	DK212T:N11a12-369-001-B-B	11.3	4.1	70.3
05GEM02781	DK212T:N11a12-438-001-B-B	14.3	3.6	69.0
05GEM02782	DK212T:N11a12-386-001-B-B	12.8	4.0	69.3
05GEM02783	DK212T:N11a12-402-001-B-B	11.6	4.0	70.3
05GEM02784	DK212T:N11a12-463-001-B-B	13.1	3.9	69.6
05GEM02785	B73	12.7	3.7	69.1
05GEM02786	DE6	13.4	4.1	68.6
05GEM02787	Mo17	13.6	3.5	68.9

mean	13.0	4.1	68.7
min	10.9	3.3	65.3
max	15.4	5.1	71.5
Stdev	1.0	0.4	1.3

* on a dry matter basis