

WORLD GRAINS/OILSEEDS/ PRODUCTS ANALYSIS

OVER THE NEXT SEVERAL DAYS YOU WILL BE RECEIVING OUR ANALYSIS AND FORECAST OF THE GRAINS, OILSEEDS & PRODUCTS WITH PARTICULAR ATTENTION GIVEN TO CORN, SOYBEANS, SOYBEAN MEAL & SOYBEAN OIL. DUE TO ITS COMPLEXITY I'VE GIVEN YOU THE FORMAT OR OUTLINE WHICH WILL BE FOLLOWED.

OUTLINE

I CORN

- (A) DOMESTIC
- (B) EXPORT

II SOYBEAN COMPLEX

- (A) SOYBEAN MEAL DOMESTIC
- (B) SOYBEAN OIL DOMESTIC
- (C) SOYBEAN MEAL EXPORT
- (D) SOYBEAN OIL EXPORT
- (E) CRUSH BEANS
- (F) EXPORT BEANS

III PRICE FORECASTS

- (A) CORN
- (B) SOYBEANS
- (C) SOYBEAN MEAL
- (D) SOYBEAN OIL

CORN -

(A) DOMESTIC

- (1) SUPPLIES

TOTAL SUPPLIES OF CORN AT 7.955 BLN BU (CARRYOUT OF 1.064 PLUS PRODUCTION OF 6.89) ARE UP 9.60 PCT FROM LAST CROP YEAR AND 19.30 PCT FROM THE 76 CROP YEAR. PERHAPS MORE IMPORTANTLY, IT'S WORTH COMPARING THIS YEARS (1) ON FARM/OFF FARM STOCKS AND (2) FREE MARKET SUPPLIES WITH PREVIOUS YEARS.

STOCKS AS OF OCT 1

	1976	1977	1978	78DEVIDE 77	78 DEVIDE 76
ON FARM	232.6	446.1	620.0	1.390	2.666
OFF FARM	166.5	438.0	444.4	1.015	2.669
TOTAL	399.1	884.1	1,064.4	2.667	1.204

ON JAN 25TH WE'LL GET THE JANUARY ONE STOCKS REPORT WHICH WILL GIVE BREAKDOWNS INCLUSIVE OF NEW CROP PRODUCTION AND OCT-DEC EXPORTS AND USAGE. AT THIS TIME OF YEAR WE SIMPLY ADD PRODUCTION TO ON-FARM STOCKS TO GET WHAT WE TERM "FARM MARKETABLE SUPPLIES".

FARM MARKETABLE SUPPLIES

	1976	1977	1978	78 DEVIDE 77	78 DEVIDE 76
FMS	6.499	6.817	7.510	1.102	1.156

AS NOTED IN OUR SPECIAL REPORT ON SPECULATION, IT'S NOT SUPPLY AND DEMAND WHICH DETERMINES PRICE, BUT RATHER BUYING AND SELLING. (ALTHOUGH OVER THE LONG TERM SUPPLY WILL EQUAL SALES AND DEMAND WILL EQUAL PURCHASES) FOR EXAMPLE SPECULATIVE PURCHASES, ALTHOUGH NOT ALTERING THE SUPPLY/DEMAND PICTURE CERTAINLY INFLUENCES THE PRICE. OVER THE LONG TERM SPECULATIVE LONG AND SHORT POSITIONS WILL BE OFFSET. THE TIMING OF FARM MARKETINGS (HENCE FARM SELLING) IS MORE IMPORTANT IN DETERMINING PRICES THAN TOTAL SUPPLIES. THE DISTINCTION BETWEEN ON-FARM AND OFF-FARM STOCKS IS IMPORTANT SINCE ON-FARM STOCKS ARE PRIMARILY NOT HEDGED OR CONTRACTED FOR (HENCE ARE PRIMARILY NOT YET SOLD AND WHEN SOLD WILL PRESS PRICES.) OFF-FARM STOCKS, BY CONTRAST, ARE PRIMARILY HEDGED OR CONTRACTED FOR (HENCE, ALTHOUGH POSSIBLY EXERTING AN INFLUENCE ON BASIS ARE MUCH LESS OF AN OVERHANG ON PRICES. FOR EXAMPLE WHEN A HEDGED INVENTORY IS SOLD THE SHORT HEDGE IS COVERED THEREFORE THE PRICE IMPACT IS LIMITED.) THIS SAME REASONING REQUIRES A DISTINCTION BE MADE BETWEEN FREE-MARKET AND TOTAL SUPPLIES.

STOCKS AS OF CROP YEAR D

	75/6	76/7	77/8	78/9 FORECAST
IN RESERVE	3	13	269	753
IN LOAN	3	2	355	123
FREE MARKET	399	372	699	595
TOTAL CARRYOUT	399	334	1034	1455

(# WE TERMING STOCKS NOT IN RESERVE OR LOAN FREE MARKET)

RESERVE SUPPLIES CAN'T BE RELEASED UNTIL PRICES RISE ABOVE \$2.53 (125 PCT OF LOAN) AND ARE NOT NECESSARILY PUSHED INTO THE FREE MARKET UNTIL PRICES REACH \$2.33 (143 PCT OF LOAN).

THE FEEDGRAIN PICTURE IS MODESTLY DIFFERENT.

FEEDGRAIN STOCKS AS OF OCT 1 (MLN METRIC TONS)

	1976	1977	1978	78 D IVIDE 77	73 D IVIDE 76
ON FARM	16,937	25,743	32.33	1.256	1.912
OFF FARM	13,129	17,634	19.22	1.392	1.333
TOTAL	27.336	43,352	51.55	1.139	1.933

(# CORN, SORGHUM, OATS, BARLEY)

AS YOU CAN SEE THE FEEDGRAINS SUPPLY PICTURE IS SOMEWHAT LESS BURDENSOME IN TOTAL. THIS IS DUE TO AN 11 PCT DROP IN SORGHUM PRODUCTION, 13 PCT INCREASE IN BARLEY PRODUCTION AND A 23 PCT DROP IN OAT PRODUCTION THEREBY CAUSING TOTAL FEEDGRAIN PRODUCTION (INCLUDING CORN) TO BE UP ONLY 4.65 PCT WHILE CORN PRODUCTION WAS UP 3.15 PCT.

(2) DEMAND

BY LIVESTOCK SECTOR WE ARE FORECASTING THE FOLLOWING:

	FED CATTLE SLAUGHTER	NON FED	COW/BULL	TOTAL CATTLE	AVERAGE WEIGHT
JAN	2513	215	753	3475	1053
FEB	2523	125	553	3195	1045
MAR	2413	233	575	3135	1046
APL	2333	175	533	2975	1040
MAY	2253	215	513	2975	1037
JUN	2153	233	553	2913	1032
JLY	2115	135	563	2365	1027
AUG	2143	193	633	2933	1023
SEP	2353	125	633	3105	1025
OCT	2433	143	675	3215	1028
NOV	2253	123	663	3333	1031
DEC	2233	133	643	2973	1032

	TTL HOGS & PIGS	AVE LIVE WEIGHT	BROILER PRODUCTION (LV WGT)	EGG PDCTION	MILK PDCTION
JAN	6365	243	1171	431	10,337
FEB	6272	233	1334	423	9,413
MAR	7496	233	1253	477	10,633
APL	7135	239	1172	452	10,793
MAY	7343	242	1372	473	11,376
JUN	6925	244	1333	453	11,359
JLY	6475	239	1215	459	10,736
AUG	7323	233	1419	462	10,392
SEP	7343	239	1259	453	9,363
OCT	7363	239	1249	431	9,943
NOV	6393	342	1137	473	9,524
DEC	7413	244	1275	496	9,377

REGARDS

RAY

TELEX 107247

1/15/78
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OUTLOOK CONTINUED

WE'RE FORECASTING CORN AND SOYBEAN MEAL CONSUMPTION BY ANIMAL GROUP AS FOLLOWS (IN MLN METRIC TONS)

8	76/77		77/78		78/79		CORN		MEAL	
	CORN	MEAL	CORN	MEAL	CORN	MEAL	PCT	CHG	PCT	CHG
CATTLE ON FEED	18.7	.8	21.5	1.0	22.71	1.0	5.62	-0-		
OTHER BEEF CATTLE	5.8	.5	5.7	.6	5.85	.6	2.63	-0-		
HOGS	32.6	4.7	32.3	5.2	37.54	5.8	16.23	11.5		
BROILERS	6.8	2.4	7.1	2.8	7.68	3.1	8.17	9.2		
HENS & PULLETS	8.8	2.3	9.1	2.7	9.31	2.8	2.31	2.9		
DAIRY CATTLE	15.4	1.4	16.3	1.6	16.82	1.7	3.19	6.25		
OTHER	3.1	1.4	3.3	1.7	3.52	1.9	6.67	11.76		
TOTAL	91.2	13.5	95.3	15.6	103.43	16.9	8.53	8.33		
TOTAL IN BLN BU	(3,590)		(3,752)		(4,072)	17.1				

(NOTE: MEAL ADJUSTED TO 44PCT CRUDE PROTEIN EQUIVALENT)

RATIO OF MEAL/CORN FED AND ALL FEEDGRAINS/ALL PROTEINS

(SOYMEAL:SM	CORN:C		FEEDGRAINS:FG		PROTEIN:PT)	
	76/77		77/78		78/79	
	SM/C	TTL FG/PT	SM/C	TTL FG/PT	SM/C	TTL FG/PT
CATTLE ON FEED	.043	.039	.047	.041	.044	.042
OTHER BEEF CATTLE	.086	.083	.105	.097	.103	.096
HOGS	.144	.132	.161	.163	.155	.160
BROILERS	.353	.465	.394	.486	.404	.492
HOGS & PULLETS	.261	.276	.297	.297	.301	.303
DAIRY CATTLE	.091	.102	.098	.101	.101	.102
OTHER	.452	.507	.515	.522	.54	.529
TOTAL	.148	.167	.164	.174	.163	

(NOTE: THE FAVORABLE FEEDING MARGINS WILL KEEP FEEDERS COMPARATIVELY INSENSITIVE TO DISPLACING MEAL WITH CORN AND FEED GRAINS. THE TIGHTER COTTONSEED MEAL SITUATION WILL ALSO HELP SOYBEAN MEAL USAGE, PARTICULARLY IN DAIRY RATIONS. CORN FEEDING WILL GAIN RELATIVE TO TOTAL FEEDGRAINS PRIMARILY BECAUSE OF A MODEST IMPROVEMENT IN ITS RELATIVE PRICING.)

FEED, SEED AND INDUSTRIAL USE IS FORECAST AT 5.70 MLN BU.

NEW CROP

2

SUPPLY: AS WE MOVE INTO THE SPRING AND SUMMER MONTHS NEW CROP
 ----- PLANTING AND CROP PROGRESS WILL INCREASINGLY BE AN INFLU-
 ENCE ON OLD CROP PRICES. ON JAN 22ND THE FIRST PLANTING INTENTIONS
 REPORT WILL BE RELEASED. ALTHOUGH THIS FIRST REPORT IS OF LITTLE
 IMPORTANCE IT WILL SIGNAL THE BEGINNING OF NEW CROP WARCHING.
 AS INDICATED IN 12/7/78 TELEX ON 1979 CROP ACREAGE CONTRARY TO
 GENERAL OPINION WE ARE ESTIMATING FINAL CORN ACREAGE TO BE DOWN
 BY APPROXIMATELY 2.8 PCT TO 76.3 MLN ACRES. OF COURSE OUR
 YIELD GUESTIMATES ARE UNRELIABLE DUE TO THE FACT THAT WE DON'T
 HAVE RELIABLE MEANS OF FORECASTING WEEKLY TEMPERATURE AND MOISTURE
 DURING THE GROWING SEASON. (OUR YIELD MODELS HINGE ON THESE FIGURES)
 FOR PRELIMINARY PURPOSES WERE USING 92.8 BU. HENCE WOULD LOOK TO
 A MOST LIKELY CORN CROP OF 5.99 BLN BU.

DEMAND: WEATHER AND CROP CONDITIONS HERE AND WORLDWIDE, DEVELOPMENTS
 ----- WITHIN THE ECONOMY, ETC MAKE CROP YEAR 1979/80 FORECAST
 VERY PRELIMINARY. THIS IS LARGELY TRUE IN THE LIVESTOCK SECTOR.
 OUR MODELS INDICATE, CONTRARY TO POPULAR BELIEF THAT WE WON'T
 HAVE ANY SIGNIFICANT CONSUMER RESISTANCE TO MEAT PRICES DURING
 CALANDAR YEAR 1979 - ONLY TEMPORARY RESISTANCE SEVERE INCREASES
 OVER SHORT TIME PERIODS. WHILE OUR LIVESTOCK MODEL SHOWS VERY
 HIGH MEAT PRICES IN 1979, IT ALSO SHOWS THAT EVEN WITH THESE HIGH
 PRICES CONSUMER MEAT EXPENDITURES AS A PERCENTAGE OF DISPOSABLE
 INCOME WILL ONLY BEGIN APPROACHING NORMAL LEVELS, UP FROM THE
 DEPRESSED 1977 AND BELOW NORMAL 1978 LEVELS. FOR THIS REASON AND
 BECAUSE OF THE MARGINAL UTILITY TO CONSUME OTHER MEATS/MOST
 PARTICULARLY CHICKEN AND PERHAPS PORK-DEPENDING LARGELY ON DEVE-
 LOPMENTS OF THE NITRATE SQUABBLE.) BEEF PRICES ARE LIKELY TO
 GAIN SHARPLY. THE BEEF/FEED PRICE RELATIONSHIP WILL ENCOURAGE
 FEEDING, BUT LOW AND BEHOLD LIMITED FEEDER CATTLE SUPPLIES.
 THE INABILITY OF BROILERS AND HOGS TO FULLY BENIFIT FROM THE HIGH
 CATTLE PRICES COULD SOMEWHAT INHIBIT THE EXPANSION. THIS ALSO
 IMPLIES THAT DAIRY CATTLE NUMBERS WILL BE LIMITED BY HIGH CULL
 COW PRICES AND THE ALTERNATIVE OF DAIRY PRODUCERS IN THE MID-
 WEST TO TURN IN FAVOR OF BEEF COW-CALF OPERATIONS. OUR PRELIMI-
 NARY FEED USE ESTIMATES ARE AS FOLLOWS:

	1979/80	PCT CHG
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CATTLE ON FEED	21.39	-5.84
OTHER BEEF CATTLE	6.03	3.0
HOGS	41.74	11.2
BROILERS	8.19	6.6
HENS & PULLETS	9.31	1.9
DAIRY CATTLE	17.02	1.2
OTHER LIVESTOCK	3.71	5.4
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	107.39	3.83
TOTAL IN B.BU.	4.228	

WORLD

3

IN LOOKING AT THE WORLD COARSE GRAIN SUPPLY/DEMAND PICTURE WE WILL BE FOCUSING OUR ATTENTION ON

- (1) JAPAN
- (2) USSR
- (3) W. EUROPE
- (4) EASTERN EUROPE
- (5) P.R. CHINA
- (6) TAIWAN
- (7) ARGENTINA
- (8) CANADA
- (9) SOUTH AFRICA

IN LOOKING AT THESE FEEDGRAIN SITUATIONS WE WILL ALSO BE LOOKING AT THEIR OILSEED & LIVESTOCK SITUATIONS DUE TO THEIR INTERDEPENDENCE. OUR DISCUSSION OF THE WORLD OILSEEDS PICTURE WILL THEREFORE DEAL WITH OTHER AREAS, ALTHOUGH DRAWING UPON THE INFORMATION DERIVED FROM THIS SECTION.

JAPAN

WE'RE NOW EXPECTING JAPAN TO IMPORT 17.0-17.25 MT OF FEED GRAINS OF WHICH 10.0-10.1 WILL BE CORN, ALTHOUGH TOTAL IMPORTS ARE PROJECTED UP MODESTLY, U.S. NET EXPORTS CAN BE DOWN MODESTLY PRIMARILY BECAUSE OF INCREASED COMPETITION FROM 'S. AFRICA AND THAILAND. Below ARE RECENT BALANCE SHEETS AND OUR 78/9 CROP YEAR PROJECTIONS. (NOTE SOURCE OF HISTORICAL DATA, MINISTRY OF AGRICULTURE, FORESTRY & FISHERIES, JAPAN)

(CROP YEAR JULY-JUNE)

	76/7	77/8	78/9
BEG STOCKS			
CORN	794	915	1040
SORGHUM	337	429	570
BARLEY	365	545	700
OATS	60	67	60
TOTAL	1525	1956	2370
PRODUCTION			
CORN	11	8	11
SORGHUM	0	0	0
BARLEY	210	206	326
OATS	22	18	20
TOTAL	243	232	357
IMPORTS			
CORN	8874	9717	10,050
SORGHUM	4984	5165	5,250
BARLEY	1733	1773	1,770
OATS	160	150	150
TOTAL	15752	16805	17,150

DOMESTIC USAGE

FEED

CORN	6856	7604	7950
SORGHUM	4852	5013	5200
BARLEY	1210	1260	1350
OATS	145	150	145
TOTAL	13063	14050	14545

NON FEED

CORN	1908	1996	2025
SORGHUM	10	11	10
BARLEY	553	564	580
OATS	30	30	30
TOTAL	2501	2601	2645

TTL DOMESTIC

15564	16651	17190
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END STOCKS

CORN	915	1040	1126
SORGHUM	429	570	610
BARLEY	545	700	796
OATS	67	60	55
TOTAL	1956	2370	2587

TOTAL STOCKS AS PCT OF USAGE

15.0	14.2	17.8
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WE ARE NOW FORECASTING CORN IMPORTS BY COUNTRY OF ORIGIN AS FOLLOWS:

	77/78	78/79	PCT CHG
U.S.	7.77	7.68	-1.16
SOUTH AFRICA	1.20	1.49	24.17
THAILAND	.31	.45	45.16
ARGENTINA	.22	.21	-4.55
MOZAMBIQUE	.15	.15	0
OTHER	.07	.07	0
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	9.72	10.05	3.40

THE INCREASED IMPORTS ARE PRIMARILY ATTRIBUTABLE TO INCREASED FEEDING. COMPOUND FEED USE IS EXPECTED UP 5.5 PCT, MOST RECENT REPORTS OUT OF JAPAN SHOW THE FOLLOWING ANIMAL NUMBERS.

	CATTLE INVENTORY	DAIRY CATTLE INVENTORY	HOG INVENTORY	TTL POULTRY PRODUCTION	EGG PROD
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1976	3723	1811	7459	839	30,990
1977	3875	1888	8132	919	31,308
1978	4009	1979	8780	955	31,600
1979#	4050	2000	9000	1003	31,920

FORECAST

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OILSEEDS JAN-DEC
(1000 METRIC TON)

	76	77	78	79
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BEG STOCKS				
SOYBEAN	248	360	284	350
RAPESEED	21	48	45	45
OTHER	34	25	31	28
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TOTAL	303	433	360	423
PRODUCTION				
SOYBEANS	110	111	140	150
RAPESEED	6	5	5	5
OTHER	40	44	54	55
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TOTAL	156	160	189	210
IMPORTS				
SOYBEANS	3554	3602	4100	4110
RAPESEED	726	776	795	810
OTHER	477	448	455	460
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TOTAL	4757	4826	5350	5380
CRUSH				
SOYBEANS	2671	2878	3235	3280
RAPESEED	700	752	799	820
OTHER	380	362	376	375
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TOTAL	3751	3992	4410	4480
FOOD				
SOYBEANS	790	819	840	860
OTHER	132	129	126	125
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TOTAL	922	948	966	985
FEEDSEED & WASTE				
SOYBEANS	91	92	99	100
RAPESEED	1	1	1	1
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TOTAL	92	93	100	101
END STOCKS				
SOYBEANS	360	284	350	370
RAPESEED	48	45	45	45
OTHER	25	31	28	30
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TOTAL	433	360	423	447

OUR FORECAST

6
WE'RE PROJECTING TOTAL GRAINS , CORN & PROTEIN MEALS (OILSEED AND FISH) USE BY CLASS AS FOLLOWS. (THOUSAND METRIC TONS)

76/77			77/78			78/79#			77-78 PCT CHG		
TTL	CORN	MEAL	TTL	CORN	MEAL	TTL	CORN	MEAL	TTL	CORN	MEAL
GRNS			GRNS			GRNS			GRNS		
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POULTRY											
6404	4489	1844	6840	4849	1977	7125	5050	2075	4.16	4.15	4.96
HOGS											
3703	1717	899	4066	2004	985	4210	2065	1015	3.54	3.04	3.05
DAIRY CATTLE											
745	217	402	822	253	406	875	280	426	6.45	10.67	4.93
BEEF CATTLE											
1310	380	174	1383	432	174	1455	460	185	5.21	6.48	6.32
OTHER											
95	53	113	113	66	123	110	70	126	-2.66	6.06	1.02
TOTAL											
12257		3432		7604		13775		3827		4.55	
	6856		13224		3665		7950		4.17		4.42

MEALS AS PCT OF TOTAL GRAINS AND CORN

	76/77		77/78		78/79/#	
	PCT TTL	PCT CORN	PCT TTL	PCT CORN	PCT TTL	PCT CORN
	GRAINS		GRAINS		GRAINS	
POULTRY	.288	.411	.289	.408	.291	.411
HOGS	.243	.522	.242	.492	.241	.492
DAIRY CATTLE	.540	1.853	.494	1.605	.487	1.521
BEEF CATTLE	.133	.458	.126	.403	.127	.402
OTHER	1.189	2.132	1.088	1.864	1.145	1.800
TOTAL	.280	.501	.277	.482	.278	.481

FORECAST

IN PREVIOUS TELEXES WE POINTED TO THE CONCERN THAT THEY COULD INACT A RICE DISPOSAL PROGRAM, IN WHICH CASE RICE FEEDING WOULD CUT INTO FEEDGRAIN DEMAND. THEY HAVE INFACT INITIATED SUCH A PLAN FOR BOTH RICE AND WHEAT. LAST SEASON REDUCED FISH SUPPLIES AND HIGHER PRICES (1) ENCOURAGED INCREASED CONSUMPTION OF MEAT AND (2) EXPANDED USE OF OTHER PROTEIN MEALS (PARTICULARLY SOYBEAN MEAL.) TO MAKE UP FOR THE LOWER SUPPLIES OF FISH MEAL. SOYBEAN IMPORTS WERE UP A HEALTHY 18 PCT AND MEAL IMPORTS WERE UP OVER 25 PCT. IN 1979 THESE GAINS WILL BE MODERATING, FEEDING WILL TAPERING OFF; WITH FISHMEAL EXPORT AVAILABILITIES UP IN BOTH CHILE AND PERU, (JAPANS TWO MAJOR SOURCES) AND PEANUT MEAL EXPORT AVAILABILITIES ALSO SHARPLY HIGHER, IMPORTS OF THESE TWO MEALS WILL TO SOME EXTENT DISPLACE SOYBEAN MEAL.

HIGH PROTEIN MEALS (JAN-DEC)

7

	76	77	78	79#
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BEG STOCKS				
SOYBEAN	85	110	88	115
FISH	46	47	52	45
RAPESEED	11	22	19	21
OTHER	19	17	19	15
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TOTAL	161	196	178	196
PRODUCTION				
SOYBEAN	2052	2225	2492	2528
FISH	805	605	630	650
RAPESEED	358	426	447	460
OTHER	186	178	186	185
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TOTAL	3401	3434	3755	3823
IMPORTS				
SOYBEAN	193	314	385	410
FISH	57	178	115	140
RAPESEED	14	24	30	30
OTHER	164	79	27	75
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TOTAL	428	595	557	655
FEED				
SOYBEAN	1873	2142	2400	2470
FISH	748	682	675	700
RAPESEED	124	168	130	150
OTHER	321	225	180	220
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TOTAL	3066	3217	3385	3540
OTHER USE				
SOYBEAN	347	419	450	465
FISH	64	59	50	55
RAPESEED	237	284	345	339
OTHER	31	30	37	37
	---	---	---	---
TOTAL	679	792	882	896
EXPORTS				
FISH	49	37	27	30
TOTAL	49	38	27	30
END STOCKS				
SOYBEAN	110	88	115	118
FISH	47	52	45	50
RAPESEED	22	19	21	22
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TOTAL	196	178	196	208

OUR FORECAST

WHILE SOYBEAN AND SOYBEAN MEAL IMPORTS ARE RUNNING ABOUT ONE-THIRD AHEAD OF LAST YEAR WE ARE FORECASTING THEM TO TAPER OFF SHARPLY AS THE SEASON PROGRESSES.

REGARDS

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TELEX 127367

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