

United States
Department of
Agriculture



Federal Crop
Insurance
Corporation



Product
Development
Division

SOYBEAN LOSS ADJUSTMENT STANDARDS HANDBOOK

FCIC-25440-1 (04-2007)

2007 and Succeeding Crop Years

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

FEDERAL CROP INSURANCE HANDBOOK	Number: 25440 (11-2005) 25440-1 (04-2007)
SUBJECT: SOYBEAN LOSS ADJUSTMENT STANDARDS HANDBOOK 2007 AND SUCCEEDING CROP YEARS	OPI: Product Administration and Standards Division
	APPROVED: DATE: <i>/S:/ TIM B. WITT 04/04/2007</i>
	Deputy Administrator, Research and Development

THIS HANDBOOK CONTAINS THE OFFICIAL FCIC-ISSUED LOSS ADJUSTMENT STANDARDS FOR THIS CROP FOR THE 2007 AND SUCCEEDING CROP YEARS. ALL REINSURED COMPANIES WILL UTILIZE THESE STANDARDS FOR BOTH LOSS ADJUSTMENT AND LOSS TRAINING.

SUMMARY OF CHANGES/CONTROL CHART

The following list contains significant changes to this handbook, as determined by us. It may not represent all changes made. All changes made to this handbook are applicable regardless of whether or not listed

Major Changes: See changes or additions in text which have been **highlighted**. Three stars (***) identify where information has been removed.

Changes for Crop Year 2007 (FCIC-25440-1) issued **APRIL, 2007:**

1. **Subsection 6 B (1):** Revised to indicate that the Stand Reduction Method is used for stages VC through R3.5.
2. **Subsection 6 B (1) (b):** Clarified that the example is for Indeterminate soybeans.
3. **Subsection 6 B (2):** Clarified that for R-stage plants destroyed, the Stand Reduction Methods is used for stages R4 through R6.5
4. **Subsection 8 A (5):** Revised to clarify the procedure is for VC - R3.5 Stage Appraisals.
5. **Subsection 8 A (6):** Revised to clarify the procedure is for R4 through R6.5 Stage Appraisals.

SOYBEAN LOSS ADJUSTMENT STANDARDS HANDBOOK

SUMMARY OF CHANGES/CONTROL CHART (Continued)

6. **Subsection 8 B, item 18: Stand Reduction** - Revised stage in accordance with the new Soybean Stand Reduction Loss Charts (**TABLE F**).
7. **Subsection 8 B, item 19: R-Stage Plants Destroyed** - Revised stage in accordance with the new Soybean Stand Reduction Loss Charts (**TABLE F**).
8. **Subsection 8 B, item 31: Total - :** Revised stage in accordance with the new Soybean Stand Reduction Loss Charts (**TABLE F**).
9. **Subsection 8 B, item 32: Remaining** - Revised stage in accordance with the new Soybean Stand Reduction Loss Charts (**TABLE F**).
10. **Subsection 8 B: Appraisal Worksheet Examples** - Made updates to appraisal worksheet examples based on the new **TABLE F** values.
11. **Subsection 9 B: Production Worksheet Example** - Made updates to the production worksheet example based on the revised appraisal worksheet examples.
12. **Section 10, TABLE F:** Inserted revised **TABLE F**.

SOYBEAN LOSS ADJUSTMENT STANDARDS HANDBOOK

SUMMARY OF CHANGES/CONTROL CHART (Continued)

Control Chart For: Soybean Loss Adjustment Standards Handbook						
	SC Page(s)	TC Page(s)	Text Page(s)	Reference Material	Date	Directive Number
Remove	1-4	1-2	13-14	53-56	11-2005	FCIC-25440
			19-22		11-2005	FCIC-25440
			25-26		11-2005	FCIC-25440
			45-46		11-2005	FCIC-25440
Insert	1-4	1-2	13-14	53-56.6	04-2007	FCIC-25440-1
			19-22		04-2007	FCIC-25440-1
			25-26		04-2007	FCIC-25440-1
			45-46		04-2007	FCIC-25440-1
Current Index	1-4	1-2	1-13	47-52	11-2005	FCIC-25440
			13-14	53-56.6	04-2007	FCIC-25440-1
			15-18	57-61	11-2005	FCIC-25440
			19-22		04-2007	FCIC-25440-1
			23-24		11-2005	FCIC-25440
			25-26		04-2007	FCIC-25440-1
			27-44		11-2005	FCIC-25440
			45-46		04-2007	FCIC-25440-1

SOYBEAN LOSS ADJUSTMENT STANDARDS HANDBOOK
SUMMARY OF CHANGES/CONTROL CHART (Continued)

(RESERVED)

SOYBEAN LOSS ADJUSTMENT HANDBOOK

TABLE OF CONTENTS

PAGE

1. INTRODUCTION	1
2. SPECIAL INSTRUCTIONS	1
A. DISTRIBUTION	1
B. TERMS, ABBREVIATIONS, AND DEFINITIONS	1
3. INSURANCE CONTRACT INFORMATION	2
A. INSURABILITY	2
B. PROVISIONS AND PROCEDURES NOT APPLICABLE TO CAT COVERAGE	2
C. UNIT DIVISION.....	3
D. QUALITY ADJUSTMENT	3
4. REPLANTING PAYMENT PROCEDURES	4
A. GENERAL INFORMATION	4
B. QUALIFICATION FOR REPLANTING PAYMENT.....	4
C. MAXIMUM REPLANTING PAYMENT	5
D. REPLANTING PAYMENT INSPECTIONS	6
5. SOYBEAN APPRAISALS	6
A. GENERAL INFORMATION	6
B. SELECTING REPRESENTATIVE SAMPLES FOR APPRAISALS	6
C. MEASURING ROW WIDTH FOR SAMPLE SELECTION	6
D. PLANT TYPES AND STAGES OF GROWTH.....	7
6. APPRAISAL METHODS	13
A. GENERAL INFORMATION	13
B. STAND REDUCTION METHOD.....	13
C. PLANT DAMAGE METHOD.....	14
D. SEED COUNT METHOD	17
E. INTERPOLATION TABLES	18

SOYBEAN LOSS ADJUSTMENT HANDBOOK

TABLE OF CONTENTS (Continued)

	<u>PAGE</u>
7. APPRAISAL DEVIATIONS AND MODIFICATIONS	18
A. DEVIATIONS.....	18
B. MODIFICATIONS.....	18
8. APPRAISAL WORKSHEET ENTRIES AND COMPLETION PROCEDURES	18
A. GENERAL INFORMATION	18
B. WORKSHEET ENTRIES AND COMPLETION INFORMATION.....	20
PART I - STAND REDUCTION AND PLANT DAMAGE.....	20
PART II - SEED COUNT METHOD.....	23
APPRAISAL WORKSHEET EXAMPLES.....	25
9. CLAIM FORM ENTRIES AND COMPLETION PROCEDURES	29
A. GENERAL INFORMATION	29
B. FORM ENTRIES AND COMPLETION INFORMATION.....	30
SECTION I - ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS	32
SECTION II - HARVESTED PRODUCTION.....	39
CLAIM FORM EXAMPLE.....	45
CLAIM FORM EXAMPLE (REPLANT)	46
10. REFERENCE MATERIAL	47
TABLE A - MINIMUM REPRESENTATIVE SAMPLE REQUIREMENTS	47
TABLE B - ROW WIDTH FACTOR	47
TABLE C - COMBINED TEST WEIGHT AND PACK FACTOR	48
TABLE D - SEED (BEAN) SIZE FACTOR	49
TABLE E - PLANTS PER ACRE	50
TABLE F – INDETERMINATE SOYBEAN STAND REDUCTION LOSS	
VC - R1 STAGES.....	54
INDETERMINATE SOYBEAN STAND REDUCTION LOSS	
R2 – R3.5 STAGES.....	56.1
DETERMINATE SOYBEAN STAND REDUCTION LOSS	56.4
TABLE G - CUTOFF/BREAKOVER	57
TABLE H - INDETERMINATE SOYBEAN DEFOLIATION PERCENT OF DAMAGE	59
TABLE I - DETERMINATE SOYBEAN DEFOLIATION PERCENT OF DAMAGE	60
TABLE J - SOYBEAN MOISTURE ADJUSTMENT FACTOR	61

6. APPRAISAL METHODS

A. GENERAL INFORMATION

These instructions provide information on appraisal methods for:

Appraisal Method...	Use...
Stand Reduction Method	for planted acreage with no emerged seed, or on plants through the R6.5 Stage.
Plant Damage Method	when there is defoliation (leaf loss) AND plants that are cutoff or broken over. Plant damage calculations apply to the percent of the crop remaining (after stand reduction).
Seed Count Method	from the R7 stage through full maturity to determine the appraisal after any insured cause of damage.

B. STAND REDUCTION METHOD

- (1) V-Stages for determinate soybeans and VC through R3.5 stage for indeterminate soybean stand reduction. DETERMINE THE AMOUNT OF DIRECT DAMAGE. DEAD, MISSING, OR NON-EMERGED PLANTS are included as direct damage in the VC through R3.5 stages for indeterminate soybeans and the V-stages for determinate soybeans. When damage from an insurable cause results in missing plants or non-emergence, determine the original plants per acre from an undamaged area of the unit if possible.

If the reduction in stand is solely due to non-emerged seed due to insufficient soil moisture, do not complete appraisals prior to the time specified in the LAM. Refer to the paragraph in the LAM regarding deferred appraisals and non-emerged seed.

- (a) Determine the ORIGINAL number of plants, and the REMAINING number of live plants per acre. Use these steps:
- 1 Determine row width in inches, unless broadcast.
 - 2 Measure a 10 ft. row length for the sample of row soybeans, or use 3-foot by 3-foot square grid for broadcast soybeans.
 - 3 Count the original number of plants in the sample (living and dead/non-harvestable, missing, or non-emerged).
 - 4 Count the remaining number of live plants in the sample.
 - 5 Use the PLANTS PER ACRE CHART to convert the original and remaining plants in the sample to plants per acre (TABLE E).
- (b) Use the ORIGINAL AND REMAINING PLANTS PER ACRE values to determine the percent stand loss. Apply these values to the appropriate SOYBEAN STAND REDUCTION LOSS CHART (TABLE F).

EXAMPLE: Indeterminate soybeans planted in 30-inch rows – V5 stage.

55 living and dead plants = 95,000 original plants/A. (TABLE E).

40 live plants = 70,000 remaining plants/A. (TABLE E).

Percent loss from stand reduction (TABLE F) = 7.0 percent.

- (2) R-Stage Plants Destroyed. For direct damage to R1 through R6.5 stage determinate soybeans, and R4 through R6.5 stage indeterminate soybeans (Part I, item 19 of the appraisal worksheet).
- (a) Count 100 consecutive plants (living and missing, non-emerged, dead/non-harvestable).
- (b) Determine the number of dead or non-harvestable plants in the 100 plant sample. This is the percentage of dead/non-harvestable plants. Enter this number in item 19 of the appraisal worksheet.

Include any cutoffs and/or breakovers, from stage R4 through stage R6.5, on a factored basis, based on how many damaged plants are required to equal 1 undamaged plant (e.g., 2-for-1, or 3-for-1, etc.) if stand reduction is the only damage.

EXAMPLE: Entry for 10 dead/non-harvestable plants, plus 10 plants cutoff/broken over plants factored on a 2-for-1 basis = 15 plants.

C. PLANT DAMAGE METHOD (Part I - Appraisal Worksheet, items 22 and 23)

- (1) Use the plant damage method for DEFOLIATION damage on determinate soybean plants beginning with the V9 stage, through the R6 stage.

For indeterminate soybeans, beginning with the R1 stage, use the plant damage method for plants CUT OFF or BROKEN OVER in stages R1 through R3.5. Any plants cut off and/or broken over in stages R4 through R6.5 are included in item 19, "R-stage plants destroyed" of the Stand Reduction Method (on a factored basis).

Use the following procedure to record individual plant-count entries in the Field Notes (plant damage is applied to the percent of the crop remaining):

- (a) Determine the number of original nodes (above the cotyledonary node) at date of damage for a representative 20-plant sample. (The number of original nodes will be number of nodes per plant for the stage times 20 (e.g. V9 stage, 9 nodes times 20 = 180 original nodes).
- (b) Determine the number of nodes cutoff and/or broken over on each plant in the 20-plant sample and enter in item 34 of the Field Notes section.

An individual plant may have nodes broken over as well as nodes cut off above the break. In such cases, both are recorded.

- (c) Total the number of nodes cutoff and/or broken over. Divide the total by the total number of nodes at date of damage to arrive at the percent of nodes destroyed.

- (3) Separate appraisal worksheets are required for each unit appraised, and for each field or subfield which has a differing base (APH) yield or farming practice (applicable to replant, preliminary, and final claims). Refer to section 5 for sampling requirements.
- (4) For every inspection, complete items 1 through 12 and items 56 through 59. Complete Part I and II as instructed below. The following appraisal worksheet shows the required entries for the V and R stages, with and without plant damage.
- (5) **V-Stages for Determinate Soybeans and VC through R3.5 Stage for Indeterminate Soybean Appraisals:**
 - (a) If stand reduction is the ONLY damage, complete Part I (except for items 19, 21, 22 and 23 and the field notes) and items 30, 31, and 32.
 - (b) If plant damage (cutoffs and/or breakovers) has occurred, complete items 13 through 18, items 20 through 29, and the field notes. If stand reduction has occurred, appraise plant damage on the remaining stand (refer to items 21, 22 and 23). Defoliation is applied for DETERMINATE soybeans only in the stages V9 – VN.
- (6) **R1 through R6 Stage Determinate Soybeans, and R4 through R6.5 Stage Indeterminate Soybean Appraisals:**
 - (a) If stand reduction is the ONLY damage, complete Part I (except items 16, 17, 18, 21, 22, 23, and the field notes). Cutoffs or breakovers from the R1 through R6 stage for determinate soybeans, and R4 through R6.5 stage for indeterminate soybeans are factored and are to be included in item 19.
 - (b) If plant damage (cutoffs or breakovers through R3.5, and/or defoliation (refer to **TABLE H** or **TABLE I**) through R6.5 for indeterminate soybeans or R6 for determinate soybeans) has occurred, complete Part I (except items 16, 17 and 18). Appraise plant damage on the remaining stand if stand reduction has occurred (refer to items 21, 22 and 23). Do not include cutoffs or breakovers in item 19 on a factored basis.
- (7) R7 through Full Maturity Appraisals, use Part II, the Seed Count Method.

Standard appraisal worksheet items are numbered consecutively in subsection B. An example appraisal worksheet is also provided to illustrate how to complete entries.

B. WORKSHEET ENTRIES AND COMPLETION INFORMATION

Verify or make the following entries:

**Item
No.**

Information Required

PART I - STAND REDUCTION AND PLANT DAMAGE

1. **Insured's Name:** Name of the insured that identifies EXACTLY the person (legal entity) to whom the policy is issued.
2. **Policy Number:** Insured's assigned policy number.
3. **Crop Year:** Four-digit crop year, as defined in the policy, for which the claim has been filed.
4. **Unit No.:** Five-digit unit number from the Summary of Coverage after it is verified to be correct (e.g., 00100).
5. **Field ID:** Field or subfield identification symbol.
6. **Practice:** Three-digit code number entered exactly as specified on the actuarial documents, for the practice carried out by the insured. If "No Practice Specified," enter appropriate 3-digit code number from the actuarial documents.
7. **Company:** Name of insurance provider, if not preprinted on the worksheet (Company Name).
8. **Date of Damage:** First three letters of the month during which MOST of the insured damage (including progressive damage) occurred. Include SPECIFIC DATE where applicable, as in the case of hail damage (e.g., Aug. 11).
9. **Acres:** Number of determined acres, to tenths, in field or subfield being appraised.
10. **Variety:** Variety name of soybeans being appraised, if known, followed by "D" if determinate type, or "I" if indeterminate.
11. **Row Width:** Row width to nearest inch. If broadcast, enter "B." Refer to subsection 5C for row width determination information.
12. **Claim Number:** Claim number as assigned by the insurance provider.

DIRECT DAMAGE

13. **Sample No.:** If more than five samples are needed, (refer to **TABLE A** for minimum sample requirements) use additional pages, and number the samples 6, 7, 8, etc.
14. **DOD:** Stage of growth on date of damage. (Refer to subsection 5D.)
15. **DOA:** Stage of growth on date of appraisal.
16. **Original (1000): (V-Stage Appraisals Only)** Original stand (living and dead, missing, or non-emerged). Enter to nearest 500 as decimal to tenths; e.g. enter 110,000 as 110.0. Refer to (**TABLE E**) and entry in item 31.
17. **Remaining: (V-Stage Appraisals Only)** Remaining stand (live plants). Refer to (**TABLE E**) and entry in item 32. Enter to nearest 500 as decimal to tenths; e.g. enter 12,500 as 12.5.
18. **Stand Reduction: (Percent of Loss – V-Stages for Determinate Soybeans and VC through R3.5 Stage for Indeterminate Soybean Appraisals Only):** Stand reduction percent loss to tenths from the appropriate Soybean Stand Reduction Loss Chart (**TABLE F**).
19. **R-Stage Plants Destroyed:** For stand reduction in the R stages (R1 through R6.5 Stage Determinate Soybeans, and R4 through R6.5 Stage Indeterminate Soybean), enter the number (percent) of dead or non-harvestable plants in a 100 plant (living and missing/dead/non-harvestable) sample. Include cutoffs and/or breakovers from the R4 through R6.5 stages on a factored basis only if stand reduction is the only damage. Refer to subsection 6 B (2). For indeterminate soybeans in the R1 through R3.5 stage, MAKE NO ENTRY.
20. **Total Direct Damage:** Total direct damage to tenths from item 18 or 19, as appropriate.
21. **% Crop (Remaining):** Enter the result of subtracting item 20 from 100%. If there is no direct damage, enter 100. If there is no plant damage (item 42) leave blank.

PLANT DAMAGE

22. **Gross:** If there is plant damage to the sample, complete the field notes and enter the item 42 entry for the same sample.
23. **Net:** Item 21 times item 22 (nearest tenth percent), if there is an entry in item 22.
24. **Total % Damage:** Enter the total direct and plant damage (item 20 plus item 23, to nearest tenth percent).
25. **Total:** Total of item 24 entries to nearest tenth percent. If more than five samples, enter accumulated total only on last page.

COMPUTATIONS

Verify or make the following entries:

- | Item No. | <u>Information Required</u> |
|-----------------|---|
| 26. | Sample Average Damage: Sample average damage to nearest tenth percent (item 25, total number of samples from all pages). |
| 27. | % Potential: Percent potential to nearest tenth percent (subtract item 26 entry from 100%). |
| 28. | APH Yield: Enter the approved APH yield to nearest whole bushel from the APH form. |
| 29. | Appraisal Bu/A: Appraisal to nearest tenth bushel (item 27 times 28). |

SOYBEAN FIELD NOTES

Complete the field notes on a representative 20 consecutive plant sample from the sample area used for stand reduction if stand reduction has occurred. If not, select a representative 20-plant sample.

Verify or make the following entries:

- | Item No. | <u>Information Required</u> |
|-----------------|--|
| 30. | Sample Number: Match the sample with the same numbered sample used in item 13. If more than five samples are needed, use additional pages, and number the samples 6, 7, 8, etc. |
| 31. | Total: (V-Stages for Determinate Soybeans and VC through R3.5 Stage for Indeterminate Soybean only) Total plants (living, dead, missing, and non-emerged) counted in 10 feet of row. For broadcast, count plants in a 3' x3' sample area. |
| 32. | Remaining: (V-Stages for Determinate Soybeans and VC through R3.5 Stage for Indeterminate Soybean only) Remaining live plants in 10 ft. of row. For broadcast, count plants in a 3 ft. x 3 ft. sample area. |
| 33. | Total Nodes: Total number of nodes on the 20-plant sample, determined by multiplying the nodes per plant for the stage at date of damage times 20. |
| 34. | Nodes Cutoff/Broken Over: For V stages through R3.5, total number of nodes cutoff and/or broken over on each plant in the sample, entered under appropriate plant number. |
| 35. | % Defoliation: Percent defoliation on each plant in the sample. (Refer to Fig. 1 on the chart in subsection 6 B (2). |

Defoliation is counted only in the V9 through R6.5 stages for determinate beans, and the R1 through R6.5 stages for indeterminate beans.

FOR ILLUSTRATION PURPOSES ONLY
SOYBEAN APPRAISAL WORKSHEET

PART I – STAND REDUCTION AND PLANT DAMAGE METHOD

1 Insured I. M. INSURED	2 Policy Number XXXXXXXX	3 Crop Year YYYY	4 Unit No. 00100	5 Field ID A	6 Practice 003
7 Company ANY COMPANY	8 Date of Damage AUG	9 Acres 10.0	10 Variety WELLS - I	11 Row Width 30"	12 Claim Number XXXXX

13 Sample No.	STAGE OF GROWTH		V-STAGE		18 V-Stage Stand Reduction % Loss	19 R-Stage Plants Destroyed	20 Total Direct Damage	21 % Crop Remaining	PLANT DAMAGE		24 Total Damage (20 + 23)	COMPUTATIONS	
	14 DOD	15 DOA	16 Original (1000)	17 Remaining (1000)					22 Gross (Item 42)	23 Net (21 x 22)		26 Sample Average Damage	27 % Potential
1	V4	V5	120.0	25.0	46.0		46.0				46.0	50.0	
2	V4	V5	125.0	22.5	50.0		50.0				50.0	50.0	
3	V4	V5	120.0	20.0	54.0		54.0				54.0	43	
SOYBEAN FIELD NOTES											25 Total 150.0	29 Appraisal (BU/A) 21.5	

SAMPLE NUMBER	PLANTS PER 10 FEET		PLANT NUMBER																		TOTAL	% OF NODES	% DAMAGE	TOTAL				
	31 Total	32 Remaining		34 Nodes Cut Off/ Broken Over	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					17	18	19	20
30 1	69	14																							36	38	40	
33 Total Nodes			35 % Defoliation																						37	39	41 +	42 =
30 2	71	13																						36	38	40		
33 Total Nodes			35 % Defoliation																					37	39	41 +	42 =	
30 3	68	11																						36	38	40		
33 Total Nodes			35 % Defoliation																					37	39	41 +	42 =	

56 Remarks

57 Adjuster's Signature I. M. ADJUSTER	Code No. XXXXXX	Date MM/DD/YYYY	58 Insured's Signature I. M. INSURED	Date MM/DD/YYYY
--	---------------------------	---------------------------	--	---------------------------

FOR ILLUSTRATION PURPOSES ONLY
SOYBEAN APPRAISAL WORKSHEET

PART I – STAND REDUCTION AND PLANT DAMAGE METHOD

1 Insured I. M. INSURED	2 Policy Number XXXXXXXX	3 Crop Year YYYY	4 Unit No. 00200	5 Field ID A	6 Practice 002
7 Company ANY COMPANY	8 Date of Damage JUN 10	9 Acres 10.0	10 Variety WELLS - I	11 Row Width 30"	12 Claim Number XXXXX

13 Sample No.	STAGE OF GROWTH		V-STAGE		18 V-Stage Stand Reduction % Loss	19 R-Stage Plants Destroyed	20 Total Direct Damage	21 % Crop Remaining	PLANT DAMAGE		24 Total Damage (20 + 23)	26 Sample Average Damage
	14 DOD	15 DOA	16 Original (1000)	17 Remaining (1000)					22 Gross (Item 42)	23 Net (21 x 22)		
1	V4	V5	120.0	25.0	46.0		46.0	54.0	11.0	5.9	51.9	56.9
2	V4	V5	125.0	22.5	50.0		50.0	50.0	17.2	8.6	58.6	43.1
3	V4	V5	120.0	20.0	54.0		54.0	46.0	13.4	6.2	60.2	43
SOYBEAN FIELD NOTES											25 Total 170.7	29 Appraisal (BU/A) = 18.5

SAMPLE NUMBER	PLANTS PER 10 FEET		PLANT NUMBER																					TOTAL	% OF NODES	% DAMAGE	TOTAL
	31 Total	32 Remaining		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
30 1	69	14	34 Nodes Cut Off/ Broken Over	4	1	4	2	0	3	4	1	2	3	3	0	1	4	0	1	3	4	1	3	36 44	38 55	40 11.0	
33 Total Nodes	80		35 % Defoliation																					37	39	41 +	42 =
30 2	71	13	34 Nodes Cut Off/ Broken Over	3	4	1	4	1	1	2	4	4	3	3	2	2	4	0	3	3	2	2	3	36 51	38 64	40 17.2	
33 Total Nodes	80		35 % Defoliation																					37	39	41 +	42 =
30 3	68	11	34 Nodes Cut Off/ Broken Over	1	4	2	3	4	1	4	3	2	3	4	0	2	2	0	1	3	1	4	3	36 47	38 59	40 13.4	
33 Total Nodes	80		35 % Defoliation																					37	39	41 +	42 =

56 Remarks

57 Adjuster's Signature I. M. ADJUSTER	Code No. XXXXXX	Date MM/DD/YYYY	58 Insured's Signature I. M. INSURED	Date MM/DD/YYYY
--	---------------------------	---------------------------	--	---------------------------

1 Crop/Code #	2 Unit #	3 Legal Description			PRODUCTION WORKSHEET (FOR ILLUSTRATION PURPOSES ONLY)				8 Name of Insured I. M. INSURED					
SOYBEANS - 0081	00200	SW1-96N-30W							7 Company <u>ANY COMPANY</u>		9 Claim # XXXXXXXX		11 Crop Year YYYY	
4 Date of Damage	JUN 10				Agency <u>ANY AGENCY</u>		10 Policy # XXXXXXXX							
5 Cause of Damage	HAIL						14 Date(s) Notice of Loss		1 st MM/DD/YYYY		2 nd MM/DD/YYYY		Final MM/DD/YYYY	
6 Primary Cause %	100						15 Companion Policy(s)							
12 Additional Units	00300	00100	00400											
13 Est. Prod Per Acre	40	40	40											

SECTION I - ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS

ACTUARIAL										POTENTIAL YIELD					STAGE GUARANTEE	
A	B	C	D	E	F	G	H	I	J	K ₁ K ₂	L	M	N	O	P	Q
Field ID	Prelim Acres	Final Acres	Interest or Share	Risk	Practice	Type Class Variety	Stage	Intended or Final Use	Appraised Potential	Moisture % Factor	Shell and/or Quality Factor	+Uninsured Cause	Adjusted Potential	Total to Count (C x N)	Per Acre	Total (C x P)
M/D A NS	7.5 E	10.0	1.000		002	997	UH	PLOWED	18.5				18.5	185.0	28.0	280.0
M/D B NS		10.0	1.000		002	997	P	WOC				28.0	28.0	280.0	28.0	280.0
M/D C NS		60.2	1.000		002	997	H	H							28.0	1685.6
16 TOTAL		80.2											17 TOTALS		465.0	2245.6

NARRATIVE (If more space is needed, attach a Special Report) Soybeans at Acme Elevator weighed 44# per bushel and had 9.9% kernel damage. Field B- Put to other use without consent. Fields C determined from FSA permanent field measurements. Field A & B - wheel measured. Refer to attached Special Report for measurements and calculations. Refer to attached FGIS Grade Certificate. Test Wt. = 44#(DF = .015) + 9.9% Kernel Damage (DF = .051) + Sample Grade Discount Factor (.111) = .177
 1.000 - .177 = .823 Quality Adjustment Factor.

SECTION II - HARVESTED PRODUCTION

18 Date Harvest Completed MM/DD/YYYY					19 Damage Similar to Other Farms in the Area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					20 Assignment of Indemnity? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					21 Transfer of Right To Indemnity? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
MEASUREMENTS					GROSS PRODUCTION					ADJUSTMENTS TO HARVESTED PRODUCTION									
A ₁ A ₂	B	C	D	E	F	G	H	I	J	K ₁ K ₂	L ₁ L ₂	M ₁ M ₂	N	O	P	Q ₁ Q ₂	R	S	
Share	Length or Diameter	Width	Depth	Deduction	Net Cubic Feet	Conversion Factor	Gross Prod. (F x G)	Bu. Ton Lbs. Cwt.	Shell/Sugar Factor	FM%	Moisture%	Test Wt.	Adjusted Production HorIxJxK ₂ xL ₂ xM ₂	Prod. Not To Count	Production(N - O)	Value Mkt. Price	Quality Factor	Production To Count (P X R)	
	ACME ELEVATOR ANYTOWN, ANY STATE							530.1		1.0 .990				524.8		524.8		.823	431.9
	14.0	RND	10.0		1539.4	.8	1231.5				16.7 .9556	52 .903	1062.7		1062.7			1062.7	

I certify the information provided above, to the best of my knowledge, to be true and complete and that it will be used to determine my loss, if any, to my insured crops. I understand that this Production Worksheet and supporting papers are subject to audit and approval by the company. I understand that this crop insurance is subsidized and reinsured by the Federal Crop Insurance Corporation, an agency of the United States. I understand that any false or inaccurate information may result in the sanctions outlined in my policy and administrative, civil, and criminal sanctions under 18 U.S.C. §§ 1006 and 1014, 7 U.S.C. § 1506, 31 U.S.C. §§ 3729 and other federal statutes.

22 Section II Total	1494.6
23 Section I Total	465.0
24 Unit Total	1959.6

25 Adjuster's Signature			Code #	Date	26 Insured's Signature			Date		
1 st Inspection			I. M. ADJUSTER	XXXXX	MM/DD/YYYY	1 st Inspection			I. M. INSURED	MM/DD/YYYY
2 nd Inspection						2 nd Inspection				
Final Inspection			I. M. ADJUSTER	XXXXX	MM/DD/YYYY	Final Inspection			I. M. INSURED	MM/DD/YYYY

1. Crop/Code # SOYBEANS 0081	2. Unit # 00100	3. Legal Description SW1 - 96N - 30W
4. Date of Damage JUN 10		
5. Cause of Damage HAIL		
6. Primary Cause % 100		
12. Additional Units		
13. Est. Prod. Per Acre		

**FOR ILLUSTRATION PURPOSES ONLY
PRODUCTION WORKSHEET**

7. Company **ANY COMPANY**
Agency **ANY AGENCY**

8. Name of Insured I. M. INSURED			
9. Claim # XXXXXXXX		11. Crop Year YYYY	
10. Policy # XXXXXXXX			
14. Date(s) Notice of Loss	1 st MM/DD/YYYY	2 nd	Final MM/DD/YYYY
15. Companion Policy(s)			

SECTION I - ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS

ACTUARIAL									POTENTIAL YIELD							STAGE GUARANTEE	
A	B	C	D	E	F	G	H	I	J	K ₁	L	M	N	O	P	Q	
Field ID	Prelim Acres	Final Acres	Interest or Share	Risk	Practice	Type Class	Stage	Intended or Final Use	Appraised Potential	Moisture % Factor	Shell and/or Quality Factor	+ Uninsured Cause	Adjusted Potential	Total To Count	Per Acre	Total (C x P)	
A	M/D	30.0	30.0	1.000		002	997	R	REPLANTED				3.0	90.0	28.0	840.0	
		40.0	1.000		002	997	NR	NOT REPLANTED							28.0	1120.0	
16. TOTAL		70.0												90.0		1960.0	
														17. TOTALS		90.0	1960.0

NARRATIVE (If more space is needed, attach a Special Report) Example above shows allowance when the actual cost and/or 20% of the production guarantee is greater than the maximum allowance. Insured's actual cost to replant - \$18.00/acre. Price election - \$5.50. $\$18.00 \div \$5.50 = 3.3$ bu. $28.0 \text{ bu./acre} \times 20\% = 5.6 \text{ bu./acre}$ (both greater than 3.0 bu. maximum allowed. Appraised potential less than 90% of the production guarantee ($28.0 \times 90\% = 25.2 \text{ bu./acre}$ B- appraised potential = 10.0 bu/acre). Total acreage from FSA permanent field measurement. Field A wheel measured. See attached Special Report for measurements and calculations.

SECTION I - ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS

ACTUARIAL									POTENTIAL YIELD							STAGE GUARANTEE	
A	B	C	D	E	F	G	H	I	J	K ₁	L	M	N	O	P	Q	
Field ID	Prelim Acres	Final Acres	Interest or Share	Risk	Practice	Type Class	Stage	Intended or Final Use	Appraised Potential	Moisture % Factor	Shell and/or Quality Factor	+ Uninsured Cause	Adjusted Potential	Total To Count	Per Acre	Total (C x P)	
A	M/D	30.0	30.0	.500		002	997	R	REPLANTED				1.5	45.0	28.0	840.0	
		40.0	.500		002	997	NR	NOT REPLANTED							28.0	1120.0	
16. TOTAL		70.0												45.0		1960.0	
														17. TOTALS		45.0	1960.0

NARRATIVE (If more space is needed, attach a Special Report) Example above shows allowance when the actual cost and/or 20% of the production guarantee is greater than the maximum allowance when share is considered. Insured's actual cost to replant - \$9.00/acre. Price election - \$5.50. $\$9.00 \div \$5.50 = 1.6$ bu. $28.0 \text{ bu./acre} \times 20\% \times .500 \text{ share} = 2.8 \text{ bu./acre}$ (both greater than maximum allowed - $3.0 \text{ bu./acre} \times .500 \text{ share} = 1.5 \text{ bu./acre}$). Appraised potential less than 90% of the production guarantee ($28.0 \times 90\% = 25.2 \text{ bu./acre}$ B- appraised potential = 10.0 bu/acre). Total acreage from FSA permanent field measurement. Field A wheel measured. See attached Special Report for measurements and calculations.

TABLE E - PLANTS PER ACRE (Page 4 of 4)

If the number of counted plants in ten feet of row is greater than the top number in the appropriate row width column, divide the number of plants by 2, and proceed as above. Multiply the plants per acre found in the left column by 2 to arrive at the actual number of plants per acre. (Refer to **EXAMPLE 1** below.) If the number of counted plants in ten feet of row is fewer than the lowest number in the appropriate row width column, multiply the number of plants by 2, and proceed as above. Divide the plants per acre found in the left column by 2 to arrive at the actual number of plants per acre. (Refer to **EXAMPLE 2** below.) If the plant population is above 125,000, round to the nearest 5,000. If the population is below 125,000, round to the nearest **2,500**. (Refer to examples below.)

EXAMPLE 1: Row Width = 30 in.
110 Original Plants in 10 ft. of Row
 $110 \div 2 = 55$
55 Original Plants = 95,000 plants per acre
 $95,000 \text{ plants per acre} \times 2 = 190,000$

EXAMPLE 2: Row Width = 30 in.
4 Original Plants in 10 ft. of Row
 $4 \times 2 = 8$
8 Original Plants = **15,000** plants per acre
 $15,000 \text{ plants per acre} \div 2 = 7,500$

If the planted row width is not listed on the table, divide the row width, in inches, by 12. Multiply this result by 10 to arrive at the square feet in the sample. Count the number of plants in the sample and divide by the square feet to arrive at plants per square foot. Multiply plants per square foot by 43,560 sq. ft. per acre to arrive at plants per acre. If the plant population is above 125,000, round to the nearest 5,000. If the population is below 125,000, round to the nearest **2,500**. (Refer to examples below.)

EXAMPLE 1: Row Width = 15 in.
42 Original Plants in 10 ft. of row
 $(15 \text{ in.} \div 12 \text{ in.}) \times 10 \text{ ft.} = 12.5$
 $42 \div 12.5 = 3.36$
 $3.36 \times 43,560 = 146,362$ (round to 145,000)

EXAMPLE 2: Row Width = 7 ½ in.
15 Original Plants in 10 ft. of row
 $(7.5 \text{ in.} \div 12 \text{ in.}) \times 10 \text{ ft.} = 6.25$
 $15 \div 6.25 = 2.40$
 $2.40 \times 43,560 = 104,544$ (round to **105,000**)

**TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS
VC – R1 STAGES (Page 1 of 3)**

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																		
	180	175	170	165	160	155	150	145	140	135	130	125	122.5	120	117.5	115	112.5	110	107.5
180,000	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3	3	3	3	4
175,000		0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3
170,000			0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3
165,000				0	0	0	0	1	1	1	2	2	2	2	3	3	3	3	3
160,000					0	0	0	0	1	1	2	2	2	2	3	3	3	3	3
155,000						0	0	0	1	1	2	2	2	2	3	3	3	3	3
150,000							0	0	0	1	1	1	1	2	2	2	3	3	3
145,000								0	0	0	1	1	1	1	2	2	2	3	3
140,000									0	0	1	1	1	1	2	2	2	3	3
135,000										0	0	1	1	1	1	2	2	3	3
130,000											0	0	1	1	1	1	2	2	2
125,000												0	0	0	1	1	1	2	2
122,500													0	0	0	1	1	2	2
120,000														0	0	0	1	2	2
117,500															0	0	0	1	2
115,000																0	0	1	2
112,500																	0	1	2
110,000																		0	1
107,500																			0

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																			
	105	102.5	100	97.5	95	92.5	90	87.5	85	82.5	80	77.5	75	72.5	70	67.5	65	62.5	60	
180,000	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	
175,000	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	
170,000	4	4	4	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	
165,000	4	4	4	5	5	6	6	7	7	8	8	9	10	11	12	13	14	15	16	
160,000	4	4	4	5	5	5	6	7	7	8	8	9	10	11	12	13	14	15	16	
155,000	3	4	4	4	5	5	6	6	7	8	8	9	10	11	11	12	13	15	16	
150,000	3	4	4	4	5	5	6	6	7	7	8	9	10	10	11	12	13	14	16	
145,000	3	3	4	4	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	
140,000	3	3	4	4	4	5	5	6	6	7	8	8	9	10	11	12	13	14	15	
135,000	3	3	3	4	4	5	5	6	6	7	7	8	9	10	11	12	13	14	15	
130,000	2	3	3	3	4	4	5	5	6	7	7	8	9	10	10	11	13	14	15	
125,000	2	2	3	3	4	4	4	5	6	6	7	8	8	9	10	11	12	13	15	
122,500	2	2	3	3	3	4	4	5	5	6	7	7	8	9	10	11	12	13	14	
120,000	2	2	2	3	3	4	4	5	5	6	7	7	8	9	10	11	12	13	14	
117,500	1	2	2	3	3	3	4	4	5	6	6	7	8	9	10	11	12	13	14	
115,000	1	1	2	2	3	3	4	4	5	5	6	7	8	8	9	10	11	13	14	
112,500	1	1	2	2	2	3	3	4	5	5	6	7	8	9	10	11	12	14	14	
110,000	1	1	1	2	2	3	3	4	4	5	6	6	7	8	9	10	11	12	13	
107,500	0	1	1	1	2	2	3	3	4	5	5	6	7	8	9	10	11	12	13	
105,000	0	0	1	1	2	2	3	3	4	4	5	6	7	7	8	9	10	12	13	
102,500		0	0	1	1	2	2	3	3	4	5	5	6	7	8	9	10	11	13	
100,000			0	0	1	1	2	2	3	4	4	5	6	7	8	9	10	11	12	
97,500				0	0	1	1	2	3	3	4	5	5	6	7	8	9	11	12	
95,000					0	0	1	2	2	3	4	4	5	6	7	8	9	10	11	
92,500						0	1	1	2	2	3	4	5	5	6	7	9	10	11	
90,000							0	1	1	2	3	3	4	5	6	7	8	9	11	
87,500								0	1	1	2	3	4	4	5	6	8	9	10	
85,000									0	1	1	2	3	4	5	6	7	8	9	
82,500										0	1	1	2	3	4	5	6	8	9	
80,000											0	1	2	3	4	5	6	7	8	

PERCENT LOSS FROM STAND REDUCTION

TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS VC – R1 STAGES (Page 2 of 3)

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																							
	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
180,000	18	19	20	22	24	26	28	30	32	35	38	40	44	47	51	55	59	64	69	74	80	86	93	100
175,000	17	19	20	22	24	26	28	30	32	35	37	40	44	47	51	55	59	64	69	74	80	86	93	100
170,000	17	19	20	22	24	26	28	30	32	35	37	40	44	47	51	55	59	64	69	74	80	86	93	100
165,000	17	19	20	22	24	25	28	30	32	35	37	40	43	47	51	55	59	64	69	74	80	86	93	100
160,000	17	19	20	22	23	25	27	30	32	35	37	40	43	47	51	55	59	64	69	74	80	86	93	100
155,000	17	18	20	22	23	25	27	30	32	34	37	40	43	47	51	55	59	63	68	74	80	86	93	100
150,000	17	18	20	22	23	25	27	29	32	34	37	40	43	47	50	54	59	63	68	74	80	86	93	100
145,000	17	18	20	21	23	25	27	29	32	34	37	40	43	47	50	54	59	63	68	74	80	86	93	100
140,000	17	18	20	21	23	25	27	29	32	34	37	40	43	47	50	54	59	63	68	74	80	86	93	100
135,000	16	18	19	21	23	25	27	29	31	34	37	40	43	46	50	54	58	63	68	74	80	86	93	100
130,000	16	18	19	21	23	24	27	29	31	34	37	40	43	46	50	54	58	63	68	74	79	86	93	100
125,000	16	17	19	21	22	24	26	29	31	33	36	39	43	46	50	54	58	63	68	74	79	86	93	100
122,500	16	17	19	20	22	24	26	28	31	33	36	39	42	46	50	54	58	63	68	73	79	86	93	100
120,000	16	17	19	20	22	24	26	28	31	33	36	39	42	46	50	54	58	63	68	73	79	86	93	100
117,500	15	17	18	20	22	24	26	28	30	33	36	39	42	46	49	54	58	63	68	73	79	86	93	100
115,000	15	17	18	20	22	24	26	28	30	33	36	39	42	46	49	53	58	63	68	73	79	86	93	100
112,500	15	16	18	20	21	23	25	28	30	33	36	39	42	45	49	53	58	63	68	73	79	86	93	100
110,000	15	16	18	19	21	23	25	28	30	33	35	38	42	45	49	53	58	62	68	73	79	86	93	100
107,500	14	16	17	19	21	23	25	27	30	32	35	38	42	45	49	53	58	62	67	73	79	86	92	100
105,000	14	16	17	19	21	23	25	27	30	32	35	38	41	45	49	53	57	62	67	73	79	85	92	100
102,500	14	15	17	19	20	22	25	27	29	32	35	38	41	45	49	53	57	62	67	73	79	85	92	100
100,000	14	15	17	18	20	22	24	27	29	32	35	38	41	45	48	53	57	62	67	73	79	85	92	100
97,500	13	15	16	18	20	22	24	26	29	31	34	37	41	44	48	52	57	62	67	73	79	85	92	100
95,000	13	14	16	18	19	21	24	26	28	31	34	37	40	44	48	52	57	62	67	73	79	85	92	100
92,500	12	14	15	17	19	21	23	26	28	31	34	37	40	44	48	52	56	61	67	72	79	85	92	100
90,000	12	13	15	17	19	21	23	25	28	30	33	36	40	43	47	52	56	61	67	72	78	85	92	100
87,500	11	13	15	16	18	20	22	25	27	30	33	36	39	43	47	51	56	61	66	72	78	85	92	100
85,000	11	12	14	16	18	20	22	24	27	30	33	36	39	43	47	51	56	61	66	72	78	85	92	100
82,500	10	12	13	15	17	19	21	24	26	29	32	35	39	42	46	51	55	60	66	72	78	85	92	100
80,000	10	11	13	15	17	19	21	23	26	29	32	35	38	42	46	50	55	60	66	72	78	85	92	100
	PERCENT LOSS FROM STAND REDUCTION																							

TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS VC – R1 STAGES (Page 3 of 3)

Original Stand Plants/Acre	REMAINING PLANTS PER ACRE (000'S OMITTED)																															
	77.5	75	72.5	70	67.5	65	62.5	60	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
77,500	0	1	2	3	4	5	6	8	9	10	12	14	16	18	20	23	25	28	31	34	38	42	46	50	55	60	65	71	78	85	92	100
75,000		0	1	2	3	4	5	7	8	10	11	13	15	17	19	22	25	27	30	34	37	41	45	50	54	60	65	71	78	84	92	100
72,500			0	1	2	3	4	6	7	9	11	12	14	16	19	21	24	27	30	33	37	41	45	49	54	59	65	71	77	84	92	100
70,000				0	1	2	4	5	6	8	10	11	13	16	18	20	23	26	29	32	36	40	44	49	54	59	64	71	77	84	92	100
67,500					0	1	2	4	5	7	9	11	13	15	17	20	22	25	28	32	35	39	44	48	53	58	64	70	77	84	92	100
65,000						0	1	3	4	6	8	9	11	14	16	19	21	24	27	31	35	39	43	47	52	58	64	70	77	84	92	100
62,500							0	1	3	5	6	8	10	13	15	17	20	23	26	30	34	38	42	47	52	57	63	69	76	84	91	100
60,000								0	2	3	5	7	9	11	14	16	19	22	25	29	33	37	41	46	51	57	63	69	76	83	91	100
57,500									0	2	4	5	8	10	12	15	18	21	24	28	32	36	40	45	50	56	62	68	76	83	91	100
55,000										0	2	4	6	8	11	14	16	20	23	27	31	35	39	44	49	55	61	68	75	83	91	100
52,500											0	2	4	7	9	12	15	18	21	25	29	34	38	43	49	54	61	67	75	82	91	100
50,000												0	2	5	7	10	13	16	20	24	28	32	37	42	47	53	60	67	74	82	91	100
47,500													0	2	5	8	11	14	18	22	26	31	35	41	46	52	59	66	73	82	90	100
45,000														0	3	6	9	12	16	20	24	29	34	39	45	51	58	65	73	81	90	100
42,500															0	3	6	10	14	18	22	27	32	37	43	50	57	64	72	81	90	100
40,000																0	3	7	11	15	20	25	30	35	42	48	55	63	71	80	90	100
37,500																	0	4	8	12	17	22	27	33	40	46	54	62	70	79	89	100
35,000																		0	4	9	14	19	25	31	37	44	52	60	69	79	89	100
32,500																			0	5	10	15	21	28	34	42	50	58	68	78	88	100
30,000																				0	5	11	17	24	31	39	47	56	66	77	88	100
27,500																					0	6	13	20	27	36	44	54	64	75	87	100
25,000																						0	7	14	23	31	41	51	62	74	86	100
22,500																							0	8	17	26	36	47	59	72	85	100
20,000																								0	9	20	31	43	55	69	84	100
17,500																									0	11	23	37	51	66	82	100
15,000																										0	14	28	44	62	80	100
	PERCENT LOSS FROM STAND REDUCTION																															

**TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS
R2 – R3.5 STAGES (Page 1 of 3)**

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																		
	180	175	170	165	160	155	150	145	140	135	130	125	122.5	120	117.5	115	112.5	110	107.5
180,000	0	1	2	3	4	5	7	8	9	11	12	14	15	16	17	18	19	20	21
175,000		0	1	2	3	4	6	7	9	10	12	13	14	15	16	17	18	19	20
170,000			0	1	2	3	5	6	8	9	11	12	13	14	15	16	17	18	19
165,000				0	1	2	4	5	7	8	10	11	12	13	14	15	16	17	18
160,000					0	1	3	4	5	7	9	10	11	12	13	14	15	16	17
155,000						0	1	3	4	6	7	9	10	11	12	13	14	15	16
150,000							0	1	3	5	6	8	9	10	11	12	13	14	15
145,000								0	2	3	5	7	8	8	9	10	11	13	14
140,000									0	2	3	5	6	7	8	9	10	11	12
135,000										0	2	4	5	6	7	8	9	10	11
130,000											0	2	3	4	5	6	7	8	9
125,000												0	1	2	3	4	5	6	7
122,500													0	1	2	3	4	5	7
120,000														0	1	2	3	4	6
117,500															0	1	2	3	5
115,000																0	1	2	4
112,500																	0	1	2
110,000																		0	1
107,500																			0

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																		
	105	102.5	100	97.5	95	92.5	90	87.5	85	82.5	80	77.5	75	72.5	70	67.5	65	62.5	60
180,000	22	23	24	25	26	27	28	29	31	32	33	35	36	37	39	40	42	44	45
175,000	21	22	23	24	25	26	28	29	30	31	33	34	35	37	38	40	41	43	45
170,000	20	21	22	23	24	26	27	28	29	31	32	33	35	36	38	39	41	42	44
165,000	19	20	21	22	24	25	26	27	29	30	31	33	34	36	37	39	40	42	43
160,000	18	19	20	21	23	24	25	26	28	29	30	32	33	35	36	38	39	41	43
155,000	17	18	19	20	22	23	24	25	27	28	30	31	32	34	35	37	39	40	42
150,000	16	17	18	19	21	22	23	24	26	27	29	30	31	33	35	36	38	40	41
145,000	15	16	17	18	19	21	22	23	25	26	28	29	31	32	34	35	37	39	40
140,000	13	15	16	17	18	19	21	22	24	25	26	28	29	31	33	34	36	38	40
135,000	12	13	14	16	17	18	19	21	22	24	25	27	28	30	32	33	35	37	39
130,000	10	12	13	14	15	17	18	19	21	22	24	25	27	29	30	32	34	36	37
125,000	9	10	11	12	14	15	16	18	19	21	22	24	26	27	29	31	33	34	36
122,500	8	9	10	12	13	14	16	17	19	20	22	23	25	27	28	30	32	34	36
120,000	7	8	9	11	12	13	15	16	18	19	21	22	24	26	28	29	31	33	35
117,500	6	7	8	10	11	12	14	15	17	18	20	22	23	25	27	29	30	32	34
115,000	5	6	7	9	10	11	13	14	16	17	19	21	22	24	26	28	30	32	34
112,500	4	5	6	8	9	10	12	13	15	17	18	20	22	23	25	27	29	31	33
110,000	3	4	5	7	8	9	11	12	14	16	17	19	21	22	24	26	28	30	32
107,500	1	3	4	5	7	8	10	11	13	14	16	18	20	21	23	25	27	29	31
105,000	0	1	3	4	6	7	9	10	12	13	15	17	19	20	22	24	26	28	30
102,500		0	1	3	4	6	7	9	11	12	14	16	17	19	21	23	25	27	29
100,000			0	1	3	4	6	8	9	11	13	14	16	18	20	22	24	26	28
97,500				0	2	3	5	6	8	10	11	13	15	17	19	21	23	25	27
95,000					0	2	3	5	7	8	10	12	14	16	18	20	22	24	26
92,500						0	2	3	5	7	9	10	12	14	16	18	21	23	25
90,000							0	2	3	5	7	9	11	13	15	17	19	21	24
87,500								0	2	4	5	7	9	11	13	16	18	20	22
85,000									0	2	4	6	8	10	12	14	16	19	21
82,500										0	2	4	6	8	10	12	15	17	19
80,000											0	2	4	6	8	11	13	15	18
	PERCENT LOSS FROM STAND REDUCTION																		

TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS R2 – R3.5 STAGES (Page 2 of 3)

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																							
	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
180,000	47	49	50	52	54	56	58	60	62	64	66	68	71	73	75	78	80	83	86	88	91	94	97	100
175,000	46	48	50	52	54	55	57	59	62	64	66	68	70	73	75	78	80	83	85	88	91	94	97	100
170,000	46	48	49	51	53	55	57	59	61	63	65	68	70	72	75	77	80	83	85	88	91	94	97	100
165,000	45	47	49	51	53	55	57	59	61	63	65	67	70	72	75	77	80	82	85	88	91	94	97	100
160,000	45	46	48	50	52	54	56	58	60	62	65	67	69	72	74	77	80	82	85	88	91	94	97	100
155,000	44	46	48	49	51	53	55	58	60	62	64	67	69	71	74	77	79	82	85	88	91	94	97	100
150,000	43	45	47	49	51	53	55	57	59	61	64	66	69	71	74	76	79	82	85	88	91	94	97	100
145,000	42	44	46	48	50	52	54	56	59	61	63	66	68	71	73	76	79	81	84	87	90	94	97	100
140,000	41	43	45	47	49	51	53	56	58	60	63	65	68	70	73	76	78	81	84	87	90	93	97	100
135,000	40	42	44	46	48	51	53	55	57	60	62	65	67	70	72	75	78	81	84	87	90	93	97	100
130,000	39	41	43	45	47	50	52	54	56	59	61	64	66	69	72	75	78	81	84	87	90	93	97	100
125,000	38	40	42	44	46	49	51	53	56	58	61	63	66	69	71	74	77	80	83	86	90	93	96	100
122,500	38	40	42	44	46	48	50	53	55	58	60	63	66	68	71	74	77	80	83	86	90	93	96	100
120,000	37	39	41	43	45	48	50	52	55	57	60	62	65	68	71	74	77	80	83	86	89	93	96	100
117,500	36	38	40	43	45	47	49	52	54	57	59	62	65	68	70	73	76	80	83	86	89	93	96	100
115,000	36	38	40	42	44	46	49	51	54	56	59	62	64	67	70	73	76	79	83	86	89	93	96	100
112,500	35	37	39	41	44	46	48	51	53	56	58	61	64	67	70	73	76	79	82	86	89	93	96	100
110,000	34	36	38	41	43	45	48	50	53	55	58	61	64	66	69	72	76	79	82	86	89	93	96	100
107,500	33	35	38	40	42	45	47	49	52	55	57	60	63	66	69	72	75	79	82	85	89	92	96	100
105,000	32	34	37	39	41	44	46	49	51	54	57	60	63	66	69	72	75	78	82	85	89	92	96	100
102,500	31	34	36	38	41	43	46	48	51	54	56	59	62	65	68	71	75	78	81	85	89	92	96	100
100,000	30	33	35	37	40	42	45	47	50	53	56	59	62	65	68	71	74	78	81	85	88	92	96	100
97,500	29	32	34	36	39	41	44	47	49	52	55	58	61	64	67	71	74	77	81	85	88	92	96	100
95,000	28	31	33	35	38	40	43	46	49	51	54	57	60	64	67	70	74	77	81	84	88	92	96	100
92,500	27	30	32	34	37	40	42	45	48	51	54	57	60	63	66	70	73	77	80	84	88	92	96	100
90,000	26	28	31	33	36	39	41	44	47	50	53	56	59	62	66	69	73	76	80	84	88	92	96	100
87,500	25	27	30	32	35	37	40	43	46	49	52	55	58	62	65	69	72	76	80	83	87	92	96	100
85,000	23	26	28	31	34	36	39	42	45	48	51	54	58	61	64	68	72	75	79	83	87	91	96	100
82,500	22	24	27	30	32	35	38	41	44	47	50	54	57	60	64	67	71	75	79	83	87	91	96	100
80,000	20	23	26	28	31	34	37	40	43	46	49	53	56	60	63	67	71	74	78	83	87	91	95	100
	PERCENT LOSS FROM STAND REDUCTION																							

TABLE F: INDETERMINATE SOYBEAN STAND REDUCTION LOSS R2 – R3.5 STAGES (Page 3 of 3)

Original Stand Plants/Acre	REMAINING PLANTS PER ACRE ('000'S OMITTED)																															
	77.5	75	72.5	70	67.5	65	62.5	60	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
77,500	0	2	4	7	9	11	14	16	19	21	24	27	30	32	35	39	42	45	48	52	55	59	62	66	70	74	78	82	86	91	95	100
75,000		0	2	5	7	9	12	14	17	20	22	25	28	31	34	37	40	44	47	51	54	58	62	65	69	73	78	82	86	91	95	100
72,500			0	2	5	7	10	12	15	18	21	23	26	29	33	36	39	42	46	49	53	57	61	65	69	73	77	81	86	90	95	100
70,000				0	2	5	8	10	13	16	19	22	25	28	31	34	38	41	45	48	52	56	60	64	68	72	76	81	86	90	95	100
67,500					0	3	5	8	11	14	17	20	23	26	29	33	36	40	43	47	51	55	59	63	67	71	76	80	85	90	95	100
65,000						0	3	6	8	11	14	17	21	24	27	31	34	38	42	45	49	53	58	62	66	71	75	80	85	90	95	100
62,500							0	3	6	9	12	15	18	22	25	29	32	36	40	44	48	52	56	61	65	70	75	79	84	89	95	100
60,000								0	3	6	9	13	16	20	23	27	30	34	38	42	46	51	55	60	64	69	74	79	84	89	94	100
57,500									0	3	7	10	13	17	21	24	28	32	36	40	45	49	54	58	63	68	73	78	83	89	94	100
55,000										0	3	7	11	14	18	22	26	30	34	38	43	47	52	57	62	67	72	77	83	88	94	100
52,500											0	4	7	11	15	19	23	28	32	36	41	46	50	55	60	66	71	77	82	88	94	100
50,000												0	4	8	12	16	20	25	29	34	39	44	49	54	59	64	70	76	82	88	94	100
47,500													0	4	8	13	17	22	26	31	36	41	47	52	57	63	69	75	81	87	93	100
45,000														0	4	9	14	18	23	28	33	39	44	50	55	61	67	74	80	86	93	100
42,500															0	5	10	15	20	25	30	36	42	47	53	60	66	72	79	86	93	100
40,000																0	5	10	16	21	27	33	39	45	51	58	64	71	78	85	92	100
37,500																	0	6	11	17	23	29	35	42	48	55	62	69	77	84	92	100
35,000																		0	6	12	18	25	32	38	45	53	60	68	75	83	92	100
32,500																			0	7	13	20	27	35	42	50	58	66	74	82	91	100
30,000																				0	7	15	22	30	38	46	55	63	72	81	90	100
27,500																					0	8	16	25	33	42	51	60	70	80	90	100
25,000																						0	9	18	27	37	47	57	67	78	89	100
22,500																							0	10	20	31	42	53	64	76	88	100
20,000																								0	11	23	35	47	60	73	86	100
17,500																									0	13	27	41	55	70	85	100
15,000																										0	16	32	48	65	82	100
	PERCENT LOSS FROM STAND REDUCTION																															

TABLE F: DETERMINATE SOYBEAN STAND REDUCTION LOSS (Page 1 of 3)

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																		
	180	175	170	165	160	155	150	145	140	135	130	125	122.5	120	117.5	115	112.5	110	107.5
180,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
175,000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
170,000			0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
165,000				0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
160,000					0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
155,000						0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
150,000							0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
145,000								0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
140,000									0.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
135,000										0.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
130,000											0.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
125,000												0.0	1.0	1.0	1.5	2.0	2.5	3.0	3.5
122,500													0.0	0.5	1.0	1.5	2.0	2.5	3.0
120,000														0.0	0.5	1.0	1.5	2.0	2.5
117,500																0.0	0.5	1.0	1.5
115,000																	0.0	0.5	1.0
112,500																		0.0	0.5
110,000																			0.0
107,500																			0.0

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																		
	105	102.5	100	97.5	95	92.5	90	87.5	85	82.5	80	77.5	75	72.5	70	67.5	65	62.5	60
180,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
175,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
170,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
165,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
160,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
155,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
150,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
145,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
140,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
135,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
130,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
125,000	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.5	21.0	22.5	24.0
122,500	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	16.5	17.5	19.0	20.5	22.0	23.5
120,000	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.5	20.0	21.5	23.0
117,500	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	16.5	18.0	19.5	21.0	22.5
115,000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.5	19.0	20.5	22.0
112,500	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	17.0	18.5	20.0	21.5
110,000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.5	18.0	19.5	21.0
107,500	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.5	17.0	18.5	20.0
105,000	0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.5	16.0	17.5	19.0
102,500		0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.5	15.0	16.5	18.0
100,000			0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.5	14.0	15.5	17.0
97,500				0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.5	13.0	14.5	16.0
95,000					0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.5	12.0	13.5	15.0
92,500						0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.5	11.0	12.5	14.0
90,000							0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.5	10.0	11.5	13.0
87,500								0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.5	11.0	12.5
85,000									0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.5	9.0	10.5	12.0
82,500										0.0	1.0	2.0	3.0	4.0	5.0	6.5	8.0	9.5	11.0
80,000											0.0	1.0	2.0	3.0	4.0	5.5	7.0	9.0	10.0
PERCENT LOSS FROM STAND REDUCTION																			

TABLE F: DETERMINATE SOYBEAN STAND REDUCTION LOSS (Page 2 of 3)

Original Stand Plants/Acre	Remaining Plants Per Acre (000's omitted)																							
	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
180,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
175,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
170,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
165,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
160,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
155,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
150,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
145,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
140,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
135,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
130,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
125,000	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.0	38.0	40.0	42.0	44.0	46.5	49.0	51.5	54.0	56.5	59.0	62.0	65.0	73.8	82.5	91.3	100.0
122,500	25.0	26.5	28.0	29.5	31.0	32.5	34.0	35.5	37.5	39.5	41.5	43.5	46.0	48.5	51.0	53.5	56.0	58.5	61.5	64.5	73.4	82.3	91.1	100.0
120,000	24.5	26.0	27.5	29.0	30.5	32.0	33.5	35.0	37.0	39.0	41.0	43.0	45.5	48.0	50.5	53.0	55.5	58.0	61.0	63.5	72.6	81.8	90.9	100.0
117,500	24.0	25.5	27.0	28.5	30.0	31.5	33.0	34.5	36.5	38.5	40.5	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.5	63.5	72.6	81.8	90.9	100.0
115,000	23.5	25.0	26.5	28.0	29.5	31.0	32.5	34.0	36.0	38.0	40.0	42.0	44.5	47.0	49.5	52.0	54.5	57.0	60.0	63.0	72.3	81.5	90.8	100.0
112,500	23.0	24.5	26.0	27.5	29.0	30.5	32.0	33.5	35.5	37.5	39.5	41.5	44.0	46.5	49.0	51.5	54.0	56.5	59.5	62.5	71.9	81.3	90.6	100.0
110,000	22.5	24.0	25.5	27.0	28.5	30.0	31.5	33.0	35.0	37.0	39.0	41.0	43.5	46.0	48.5	51.0	53.5	56.0	59.0	62.0	71.5	81.0	90.5	100.0
107,500	21.5	23.0	24.5	26.0	28.0	29.0	30.5	32.0	34.0	36.0	38.0	40.0	42.5	45.0	47.5	50.0	52.5	55.0	58.5	61.5	71.1	80.8	90.4	100.0
105,000	20.5	22.0	23.5	25.0	26.5	28.0	29.5	31.0	33.0	35.0	37.0	39.0	41.5	44.0	46.5	49.0	51.5	54.0	57.5	61.0	70.8	80.5	90.3	100.0
102,500	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0	32.0	34.0	36.0	38.0	40.5	43.0	45.5	48.0	50.5	53.0	56.5	60.0	70.0	80.0	90.0	100.0
100,000	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.0	31.0	33.0	35.0	37.0	39.5	42.0	44.5	47.0	49.5	52.0	55.5	59.0	69.3	79.5	89.8	100.0
97,500	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.0	34.0	36.0	38.5	41.0	43.5	46.0	48.5	51.0	54.5	58.0	68.5	79.0	89.5	100.0
95,000	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.0	33.0	35.0	37.5	40.0	42.5	45.0	47.5	50.0	53.5	57.0	67.8	78.5	89.3	100.0
92,500	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.0	32.0	34.0	36.5	39.0	41.5	44.0	46.5	49.0	52.5	56.0	67.0	78.0	89.0	100.0
90,000	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.0	31.0	33.0	35.5	38.0	40.5	43.0	45.5	48.0	51.5	55.0	66.3	77.5	88.8	100.0
87,500	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	28.5	30.5	32.5	35.0	37.5	40.0	42.5	45.0	47.5	51.0	54.5	65.9	77.3	88.6	100.0
85,000	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.0	30.0	32.0	34.5	37.0	39.5	42.0	44.5	47.0	50.5	54.0	65.5	77.0	88.5	100.0
82,500	12.0	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.0	49.5	53.0	64.8	76.5	88.3	100.0
80,000	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	24.0	26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.0	48.5	52.0	64.0	76.0	88.0	100.0
	PERCENT LOSS FROM STAND REDUCTION																							

TABLE F: DETERMINATE SOYBEAN STAND REDUCTION LOSS (Page 3 of 3)

Original Stand Plants/Acre	REMAINING PLANTS PER ACRE (000'S OMITTED)																															
	77.5	75	72.5	70	67.5	65	62.5	60	57.5	55	52.5	50	47.5	45	42.5	40	37.5	35	32.5	30	27.5	25	22.5	20	17.5	15	12.5	10	7.5	5	2.5	0
77,500	0.0	1.0	2.0	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	23.0	25.0	27.0	29.0	31.5	34.0	36.5	39.0	41.5	44.0	47.5	51.0	63.3	75.5	87.8	100.0
75,000		0.0	1.0	2.0	3.5	5.0	6.5	8.0	9.5	11.0	12.5	14.0	15.5	17.0	18.5	20.0	22.0	24.0	26.0	28.0	30.5	33.0	35.5	38.0	40.5	43.0	46.5	50.0	62.5	75.0	87.5	100.0
72,500			0.0	1.0	2.5	4.0	5.5	7.0	8.5	10.0	11.5	13.0	14.5	16.0	17.5	19.0	20.8	22.5	24.5	26.5	29.0	31.5	34.0	36.5	39.3	42.0	45.5	49.0	61.8	74.5	87.3	100.0
70,000				0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	23.0	25.0	27.5	30.0	32.5	35.0	38.0	41.0	44.5	48.0	61.0	74.0	87.0	100.0
67,500					0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.3	17.0	18.5	20.0	22.0	24.0	26.3	28.5	31.0	33.5	36.8	40.0	43.5	47.0	60.3	73.5	86.8	100.0
65,000						0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	14.0	16.0	17.5	19.0	21.0	23.0	25.0	27.0	29.5	32.0	35.5	39.0	42.5	46.0	59.5	73.0	86.5	100.0
62,500							0.0	1.5	3.0	4.5	6.3	8.0	9.5	11.0	12.8	14.5	16.0	17.5	19.5	21.5	23.8	26.0	28.5	31.0	34.5	38.0	41.8	45.5	59.1	72.8	86.4	100.0
60,000								0.0	1.5	3.0	5.0	7.0	8.5	10.0	11.5	13.0	14.5	16.0	18.0	20.0	22.5	25.0	27.5	30.0	33.5	37.0	41.0	45.0	58.8	72.5	86.3	100.0
57,500									0.0	1.5	3.3	5.0	6.5	8.0	9.8	11.5	13.0	14.5	16.5	18.5	21.0	23.5	26.0	28.5	32.0	35.5	39.8	44.0	58.0	72.0	86.0	100.0
55,000										0.0	1.5	3.0	4.5	6.0	8.0	10.0	11.5	13.0	15.0	17.0	19.5	22.0	24.5	27.0	30.5	34.0	38.5	43.0	57.3	71.5	85.8	100.0
52,500											0.0	1.5	3.3	5.0	7.0	9.0	10.8	12.5	14.5	16.5	18.8	21.0	23.5	26.0	29.5	33.0	37.5	42.0	56.5	71.0	85.5	100.0
50,000												0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.5	25.0	28.5	32.0	36.5	41.0	55.8	70.5	85.3	100.0
47,500													0.0	2.0	4.0	6.0	8.0	10.0	12.3	14.5	16.8	19.0	21.8	24.5	28.0	31.5	36.0	40.5	55.4	70.3	85.1	100.0
45,000														0.0	2.0	4.0	6.0	8.0	10.5	13.0	15.5	18.0	21.0	24.0	27.5	31.0	35.5	40.0	55.0	70.0	85.0	100.0
42,500															0.0	2.0	4.3	6.5	9.3	12.0	14.8	17.5	20.5	23.5	27.0	30.5	35.0	39.5	54.6	69.8	84.9	100.0
40,000																0.0	2.5	5.0	8.0	11.0	14.0	17.0	20.0	23.0	26.5	30.0	34.5	39.0	54.3	69.5	84.8	100.0
37,500																	0.0	3.5	6.8	10.0	13.3	16.5	19.5	22.5	26.0	29.5	34.0	38.5	53.9	69.3	84.6	100.0
35,000																		0.0	5.5	9.0	12.5	16.0	19.0	22.0	25.5	29.0	33.5	38.0	53.5	69.0	84.5	100.0
32,500																			0.0	8.0	11.7	15.5	18.5	21.5	25.0	28.5	33.0	37.5	53.1	68.8	84.4	100.0
30,000																				0.0	11.0	15.0	18.0	21.0	24.5	28.0	32.5	37.0	52.8	68.5	84.3	100.0
27,500																					0.0	14.5	17.5	20.5	24.0	27.5	32.0	36.5	52.4	68.3	84.1	100.0
25,000																						0.0	17.0	20.0	23.5	27.0	31.5	36.0	52.0	68.0	84.0	100.0
22,500																							0.0	19.5	23.0	26.5	31.0	35.5	51.6	67.8	83.9	100.0
20,000																								0.0	22.5	26.0	30.5	35.0	51.3	67.5	83.8	100.0
17,500																									0.0	25.5	30.0	34.5	50.9	67.3	83.6	100.0
15,000																										0.0	29.5	34.0	50.5	67.0	83.5	100.0
	PERCENT LOSS FROM STAND REDUCTION																															