平成28年度新規地区採択チェックリスト

(7-3)農業競争力強化基盤整備事業(農業競争力強化基盤整備事業(水利施設整備事業), 農業水利施設保全合理化事業,水利施設整備事業(農地集積促進型))

(都道府県名:愛知県)(地区名:神野新田)

1. 必須事項

項目	評価の内容	判定
1. 事業の必要性 が明確であるこ と。 (必要性)	・農業生産性の向上、農業総生産の維持・増大、農業生産の選択的拡大、農業構造の改善等の観点から、当該事業を必要とすること。	0
2. 技術的可能性 が確実であること。	・地形、地質、水利状況等からみて、当該事業の施行が 技術的に可能であること。	0
3. 事業の効率性 が十分見込まれ ること。 (効率性)	・当該事業の効用の発現が十分見込まれ、すべての効用がそのすべての費用を償うこと。	0
4. 受益者負担の 可能性が十分で あること。 (公平性)	・当該事業の費用に係る受益農家の負担が、農家経営の 状況からみて、負担能力の限度を超えることとならな いこと。	0
5. 環境との調和 に配慮している こと。	・当該事業が環境との調和に配慮したものであること。	0
6. 事業の採択要件を満たしていること。	・事業実施要綱・要領に規定された事業内容、採択基準の要件に適合していること。	0

項目を満たしている場合は「○」とする。

項目欄の()には、主として考えられる観点を記述している。

平成28年度新規地区採択チェックリスト

(7-3)農業競争力強化基盤整備事業(農業競争力強化基盤整備事業(水利施設整備事業), 農業水利施設保全合理化事業,水利施設整備事業(農地集積促進型))

(都道府県名:愛知県)(地区名:神野新田)

2. 優先配慮事項

【効率性・有効性】

	評価項	〔目)\\\\ /_	₹ /₩	⇒ ∓: /==
大項目	中項目	小項目	評 価 指 標	単位	評価 結果	評価
効率性	事業の経済性	生・効率性	①事業費の経済性・効率性の確保 ②コスト縮減についての具体的配慮		2	A
有効性		農業生産性の 維持・向上	土地生産性及び労働生産性の維持・向上効果額(受益面積当たり)	千円/ ha·年	1, 558	A
		野菜・果樹の 産地形成	野菜指定産地・果樹濃密生産団地の指定 作物の計画作付面積割合 (受益面積当たり)	%	46.8	A
	農業の持続 的発展	望ましい農業構造の確立	認定農業者の割合(総農家当たり)	%	11.9	A
		農地の確保・ 有効利用	耕地利用率、作付率の増加ポイント	%	139	A
		農業生産基盤 の保全管理	施設の更新等整備の緊急性	ı	緊急に更 新等の整 備が必要	В
		の床主目店	戦略的な保全管理に向けた更新整備計画 の作成	_	_	_
	農村の振興	地域経済への 波及効果	他産業への経済波及効果額 (受益面積当たり)	千円/ ha·年	3, 064	A
		地域用水機能 の維持・増進、 水資源の有効 活用(快適性の 向上)	地域用水効果額(受益面積当たり)	千円/ ha·年	_	_
		再生可能エネ ルギーの導入	小水力発電等の再生可能エネルギーの導 入	_	検討し ている	A
	多面的機能 の発揮	環境機能の維 持・増進	環境関連効果額(受益面積当たり)	千円/ ha·年	_	_

【事業の実施環境等】

	評価項	į 🗏	₹₹ /# +K +#	単位	評価	評価
大項目	中項目	小項目	評価指標		結果	
事業の実施環境等	環境への配慮	生態系	①地域や事業の特性を考慮した調査・検討 ②環境情報協議会の意見を踏まえた生態系 配慮 ③地域住民の参加や地域住民との合意形成 への取組 ④維持管理、費用負担及びモニタリング体 制等の調整状況		a a —	A
		景観	①地域や事業の特性を考慮した調査・検討 ②環境情報協議会の意見を踏まえた景観配慮 ③地域住民の参加や地域住民との合意形成 への取組 ④維持管理、費用負担及びモニタリング体 制等の調整状況		a a —	A
	関係計画との	の連携	①都道府県や市町村の農業振興計画と本事業との整合性 ②高生産性優良農業地域対策に基づく広域農業農村整備促進計画との整合性 ③人・農地プランとの整合性 ④都道府県や市町村の国土強靱化地域計画と本事業との整合性	_	a a a	A
	関係機関との	の協議	①河川管理者との協議(予備)の状況 ②その他着工前に重要な協議(予備)の状況	_	— b	В
	地元合意		①事業実施に対する受益農家の同意状況 ②事業実施に対する関係市町村の同意状況	_	a b	В
	事業推進体制	削	①事業推進協議会の設立 ②事業推進協議会から着工要望の提出	_	a a	A
	維持管理体制	削	①予定管理者の合意 ②維持管理方法と費用負担に関する予定管 理者との合意	_	a a	A
	営農支援体制	制	営農推進組織等(営農支援体制)の設立状況	_	設置 予定	В
	緊急性		国営事業等関連する他の公共事業との関 係で緊急性が高い	_	該当あり	A

費用対効果分析に関する説明資料

事業名 水利施設整備事業 (農地集積促進型)	地区	区 名	神野新田
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1. 総費用総便益比の算定

(単位:千円)

区分	算定式	数值	備考
総費用(現在価値化)	1=2+3	8, 231, 873	
当該事業による費用	2	1, 924, 113	
その他費用	3	6, 307, 760	関連事業費+資産価額+再整備費
評価期間	4	46年	当該事業の工事期間+40年
総便益額(現在価値化)	(5)	8, 880, 745	
総費用総便益比	6=5÷1	1. 07	

2. 年効果額の総括

(単位:千円)

効果項目	年効果額	効果の要因
作物生産効果	299, 753	農業用用水施設整備を実施した場合と実施しな かった場合での農産物生産量が増減する効果
品質向上効果	104, 449	農業用用水施設整備を実施した場合と実施しな かった場合での生産物の価格が維持、向上する 効果
営農経費節減効果	56, 906	農業用用水施設整備を実施した場合と実施しな かった場合での営農経費が増減する効果
維持管理費節減効果	△26, 981	農業用用水施設整備を実施した場合と実施しな かった場合での施設の維持管理費が増減する効 果
国産農産物安定供給効果	62, 946	農業用用水施設整備により農業生産性の向上や 営農条件等の改善が図られ、国産農産物の安定 供給に寄与する効果
計	497, 073	

出典:神野新田地区土地改良事業計画概要書(愛知県農地計画課作成)

神野新田地区の事業の効用に関する説明資料

1. 地区の概要

(1) 地 域:愛知県豊橋市

(2) 受 益 面 積: 310ha

(3) 事 業 目 的: 用水改良 310ha

(4) 主要工事計画:用 水 路 6km (改修)

揚 水 機 場 1箇所 (新設)

(5) 県営事業費: 2,368百万円

(6) 工 期: 平成28年度~平成33年度

2. 総費用総便益比の算定

(1)総費用総便益比の総括

(単位:千円)

区分	算定式	数値
総費用 (現在価値化)	1)=2+3	8, 231, 873
当該事業による整備費用	2	1, 924, 113
その他費用 (関連事業費+資産価額+再整備費)	3	6, 307, 760
評価期間(当該事業の工事期間+40年)	4	46年
総便益額 (現在価値化)	5	8, 880, 745
総費用総便益比	6=5÷1	1.07

(2) 総費用の総括

(単位:千円)

分	施 設 名 (又は工種) 用水路工 遠方監視施設	事業着工時点 の資産価額 ① 134,477	当該事業費 ② 1,821,783 79,859	関連事業費	評価期間における予防保全費・ 再整備費 (4) 367, 249 124, 006		
当該事業	太陽光発電施設		22, 471		12, 767	4, 001	31, 237
	計	134, 477	1, 924, 113	0	504, 022	319, 618	
	設楽ダム			349, 574	4, 519		
	宇連ダム	142, 438			90, 286		
	佐久間導水路	13, 239			155, 882	6, 812	
	大入・振草頭首工	1, 341			10, 103	719	
	大入・振草導水路	10, 325			4, 675	1, 975	
	大野頭首工	39, 306			17, 638	6, 970	
そ	牟呂松原頭首工	666, 587			543, 707	147, 537	1, 062, 757
م	牟呂松原用水路	1, 008, 051		442, 376	266, 447	252, 084	
他	大島ダム	246, 440			11, 849	24, 897	233, 392
165	三郷西部用水路工			296, 041	88, 567	22, 814	
	五号畑用水			248, 539	93, 506	29, 314	
	五号水田用水			176, 962	56, 865	19, 927	213, 900
	三郷畑用水			660, 371	165, 829	85, 559	
	三郷水田用水			778, 992	198, 459	135, 934	841, 517
	·					·	
	計	2, 127, 727	0	2, 952, 855	1, 708, 332	800, 035	
	合 計	2, 262, 204	1, 924, 113	2, 952, 855	2, 212, 354	1, 119, 653	8, 231, 873

(単位:千円)

区 分 効果項目	年総効果 (便益)額	効果の要因
食料の安定供給の確保に関する効果		
作物生産効果	299, 753	農業用用水施設整備を実施した場合と実施しなかった場合での農産物生産量が増減する効果
品質向上効果	104, 449	農業用用水施設整備を実施した場合と実施しなかった場合での生産物の価格が維持、 向上する効果
営農経費節減効果	56, 906	農業用用水施設整備を実施した場合と実施しなかった場合での営農経費が増減する効果
維持管理費節減効果	△26, 981	農業用用水施設整備を実施した場合と実施しなかった場合での施設の維持管理費が 増減する効果
その他の効果		
国産農産物安定供給効果	62, 946	農業用用水施設整備により農業生産性の 向上や営農条件等の改善が図られ、国産農 産物の安定供給に寄与する効果
合 計	497, 073	

(4) 総便益額算出表一1

(単位:千円、%)

##									(単位:	千円、%)	
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N											
No. No.			(1)		2	3	4	$5 = 3 \times 4$	6=2+5	(7) = (6)/(1)	
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(4) 総便益額算出表-2

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(4) 総便益額算出表一3

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42 H69 5. 1928 42 △ 48, 440 105, 346 100. 0 105, 346 56, 906 10, 959 43 H70 5. 4005 43 △ 48, 440 105, 346 100. 0 105, 346 56, 906 10, 537 44 H71 5. 6165 44 △ 48, 440 105, 346 100. 0 105, 346 56, 906 10, 132 45 H72 5. 8412 45 △ 48, 440 105, 346 100. 0 105, 346 56, 906 9, 742 46 H73 6. 0748 46 △ 48, 440 105, 346 100. 0 105, 346 56, 906 9, 368							<u>100.</u> 0	105, 346	<u>5</u> 6, 906	<u>1</u> 1, 397	
43 H 70 5. 4005 43 A 48, 440 105, 346 100. 0 105, 346 56, 906 10, 537 44 H 71 5. 6165 44 A 48, 440 105, 346 100. 0 105, 346 56, 906 10, 132 45 H 72 5. 8412 45 A 48, 440 105, 346 100. 0 105, 346 56, 906 9, 742 46 H 73 6. 0748 46 A 48, 440 105, 346 100. 0 105, 346 56, 906 9, 368								105, 346	56, 906		
44 H71 5. 6165 44 48, 440 105, 346 100. 0 105, 346 56, 906 10, 132 45 H72 5. 8412 45 48, 440 105, 346 100. 0 105, 346 56, 906 9, 742 46 H73 6. 0748 46 48, 440 105, 346 100. 0 105, 346 56, 906 9, 368								105 3/6			
45 H72 5.8412 45 \(\triangle 48,440 \) 105,346 100.0 105,346 56,906 9,742 46 H73 6.0748 46 \(\triangle 48,440 \) 105,346 100.0 105,346 56,906 9,368											
46 H 73 6. 0748 46 \(\triangle 48, 440 \) 105, 346 \(100. 0 \) 105, 346 \(56, 906 \) 9, 368											
	45	H 72	5. 8412	45	△ 48, 440		100. 0	105, 346			
	46	H 73	6. 0748	46	\triangle 48. 440	105. 346	100.0		56, 906	9, 368	
合計 (総便益額) 819,703						,		133, 3,0	22, 220		
日前(松俣亜銀) 19,703 19,703 2019,703 2					0 F *L					018, 103	

(4) 総便益額算出表-4

(単位:千円、%)

						維持管理	費節減効果			
					±~ =n					
評		割引	4₽	更新分に	新設	及び機能向		=	+	
価	年	率(1	経	係る効果		に係る効果	:	-	ı	備考
期	度	十割	過	年効果額	年効果額	ᄊᄪᅏ	左癸井	年効果額	□ +	' J
	戾		年	十 划未创	十岁未积	効果発	年発生	十岁未创	同左	
間		引率)				生割合	効果額		割引後	
		(1)		2	3	4	$5 = 3 \times 4$	6=2+5	(7) = (6)/(1)	
0	H27	1. 0000	0						0 0.0	評価年
1		1. 0400	1	△ 69, 155	41, 305	0. 0	0	△ 69, 155		ат іш 🕂
			2	· · · · · · · · · · · · · · · · · · ·			0			
2		1. 0816			41, 305	0.0		△ 69, 155	△ 63, 938	
3		1. 1249	3	△ 69, 155	41, 305	17. 4	7, 187	△ 61, 968	△ 55, 088	
4	H31	1. 1699	4	△ 69, 155	41, 305	42. 7	17, 637	\triangle 51, 518		
5	H32	1. 2167	5	△ 69, 155	41, 305	67. 9	28, 046	△ 41, 109	△ 33, 787	
6	H33	1. 2653	6	△ 69, 155	41, 305	84. 0	34, 696	△ 34, 459	△ 27, 234	
7		1. 3159	7	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 20, 265	
8	H35		8	△ 69, 155	42, 488	100. 0	42, 488	\triangle 26, 667	△ 19, 485	
9	H36		9		42, 488	100.0	42, 488			
10	H37	1. 4802	10	△ 69, 155	42, 488	100.0	42, 488	△ 26, 667	△ 18, 016	
11	H38	1. 5395	11	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 17, 322	
12	H39	1.6010	12	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	\triangle 16, 656	
13	H 40	1. 6651	13	△ 69, 155	42, 488	100.0	42, 488	△ 26, 667	△ 16,015	
14	H41	1. 7317	14	△ 69, 155	42, 488	100.0	42, 488	△ 26, 667	△ 15, 399	
15	H42	1. 8009	15	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 14, 808	
16	H 43	1. 8730	16	△ 69, 155	42, 488	100.0	42, 488	\triangle 26, 667	△ 14, 238	
17			17				42, 488			
	H 44	1. 9479		△ 69, 155		100.0			△ 13, 690	
18		2. 0258	18	△ 69, 155	42, 488	100.0	42, 488	△ 26, 667	△ 13, 164	
19		2. 1068	19	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 12, 658	
20	H 47	2. 1911	20	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 12, 171	
21	H 48	2. 2788	21	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 11, 702	
22	H49	2. 3699	22	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 11, 252	
23			23	△ 69, 155	42, 488	100. 0	42, 488	△ 26, 667	△ 10, 820	
24	H51	2. 5633	24	△ 69, 155	42, 488	100.0	42, 488	\triangle 26, 667	△ 10, 403	
25			25	△ 69, 155	42, 488	100. 0	42, 488	\triangle 26, 667	△ 10, 403	
26			26	△ 69, 155	42, 488	100.0	42, 488	△ 26, 667	△ 9, 618	
27		2. 8834	27	△ 69, 155		100.0	41, 860			
28	H 55	2. 9987	28		41, 860				△ 9, 102	
29		3. 1187	29	△ 69, 155	41, 860	100. 0			△ 8, 752	
30	H 57	3. 2434	30	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 8, 416	
31	H58	3. 3731	31	△ 69, 155	41, 860	100. 0	41, 860	△ 27, 295	△ 8,092	
32	H 59	3. 5081	32	△ 69, 155	41, 860	100.0	41, 860	\triangle 27, 295	△ 7, 781	
33	H 60	3. 6484	33	△ 69, 155	41, 860	100. 0	41, 860	\triangle 27, 295	\triangle 7, 481	
34		3. 7943	34	\triangle 69, 155	41, 860	100. 0	41, 860	\triangle 27, 295	△ 7, 401	
35		3. 9461	35	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 6, 917	
36		4. 1039	36	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 6, 651	
37		4. 2681	37	△ 69, 155	41, 860	100. 0	41, 860	△ 27, 295	△ 6, 395	
38		4. 4388	38	△ 69, 155	41, 860	100. 0	41, 860	△ 27, 295	△ 6, 149	
39		4. 6164	39	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 5, 913	
		4. 8010	40	△ 69, 155	41, 860	100. 0	41, 860	△ 27, 295	△ 5, 685	
41		4. 9931	41	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 5, 467	
42		5. 1928	42	\triangle 69, 155	41, 860	100.0	41, 860	\triangle 27, 295 \triangle 27, 295	\triangle 5, 256	
		5. 4005	43		41, 860	100.0	41, 860	△ 27, 295	△ 5, 054	
		5. 6165			41, 860	100. 0	41, 860	△ 27, 295	△ 4, 860	
		5. 8412		△ 69, 155		100. 0	41, 860		△ 4, 673	
46	H 73	6.0748	46	△ 69, 155	41, 860	100.0	41, 860	△ 27, 295	△ 4, 493	
		便益額		·			·		△ 710, 796	
		<u>大型研究</u> +型研存		Ф Г *					,,,,,,	

(4) 総便益額算出表-5

(単位:千円、%)

		(単位:千円、%)									
				国産農産物安定供給効果							
			ŀ					<u>~</u>		·	
評		割引	4 ∨	更新分に	新設	と及び機能向		=	+		
価	年	率(1	経	係る効果		に係る効果	Ę	-	ı	備考	
期	度	十割	過	年効果額	年効果額	ᄽᄪᅏ	左癸井	年効果額	□ +	· · · · · ·	
	泛		年	十 划未创	4 刈未領	効果発	年発生	十岁未创	同左		
間		引率)	•			生割合	効果額		割引後		
		(1)		2	3	4	$5 = 3 \times 4$	6=2+5	(7) = (6)/(1)		
0	H 27	1. 0000	0						0 0.0	評価年	
1		1. 0400	1	19, 895	43, 051	0. 0	0	19, 895	19, 130	<u>атіш</u> —	
			2				0				
2		1. 0816		19, 895	43, 051	0.0		19, 895	18, 394		
3		1. 1249	3	19, 895	43, 051	17. 4	7, 491	27, 386	24, 345		
4			4	19, 895	43, 051	42. 7	18, 383	38, 278	32, 719		
5		1. 2167	5	19, 895	43, 051	67. 9	29, 232	49, 127	40, 377		
6	H33	1. 2653	6	19, 895	43, 051	84. 0	36, 163	56, 058	44, 304		
7	H34	1. 3159	7	19, 895	43, 051	100. 0	43, 051	62, 946	47, 835		
8		1. 3686	8	19, 895	43, 051	100. 0	43, 051	62, 946	45, 993		
9		1. 4233	9	19, 895	43, 051	100.0	43, 051	62, 946	44, 225		
10	H37		10	19, 895	43, 051	100. 0	43, 051	62, 946	42, 525		
11	H38		11	19, 895	43, 051	100.0	43, 051	62, 946	40, 887		
12			12	19, 895	43, 051	100. 0	43, 051	62, 946	39, 317		
13		1. 6651	13	19, 895	43, 051	100. 0	43, 051	62, 946	37, 803		
14	H41	1. 7317	14	19, 895	43, 051	100. 0	43, 051	62, 946	36, 349		
15	H 42	1.8009	15	19, 895	43, 051	100. 0	43, 051	62, 946	34, 953		
16	H 43		16	19, 895	43, 051	100.0	43, 051	62, 946	33, 607		
17	H 44		17	19, 895	43, 051	100. 0	43, 051	62, 946	32, 315		
18		2. 0258	18	19, 895	43, 051	100. 0	43, 051	62, 946	31, 072		
19		2. 1068	19		43, 051	100. 0	43, 051	62, 946			
				19, 895					29, 878		
20			20	19, 895	43, 051	100.0	43, 051	62, 946	28, 728		
21		2. 2788	21	19, 895	43, 051	100.0	43, 051	62, 946	27, 622		
22		2. 3699	22	19, 895	43, 051	100. 0	43, 051	62, 946	26, 561		
23	H 50	2. 4647	23	19, 895	43, 051	100. 0	43, 051	62, 946	25, 539		
24	H51	2. 5633	24	19, 895	43, 051	100. 0	43, 051	62, 946	24, 557		
25	H 52	2. 6658	25	19, 895	43, 051	100. 0	43, 051	62, 946	23, 612		
26	H 53	2. 7725	26	19, 895	43, 051	100.0	43, 051	62, 946	22, 704		
		2. 8834	27	19, 895		100. 0					
28		2. 9987	28	19, 895		100.0					
29		3. 1187	29	19, 895		100. 0		62, 946			
30	H3/	3. 2434	30	19, 895	43, 051	100.0		62, 946			
31	H 58	3. 3731	31	19, 895	43, 051	100.0		62, 946			
32	H 59	3. 5081	32	19, 895	43, 051	100.0	43, 051	62, 946			
33		3. 6484	33	19, 895	43, 051	100. 0	43, 051	62, 946	17, 253		
34	H 61	3. 7943	34	19, 895	43, 051	100. 0	43, 051	62, 946	16, 590		
35	H 62	3. 9461	35	19, 895	43, 051	100.0	43, 051	62, 946	15, 951		
36		4. 1039	36	19, 895	43, 051	100.0	43, 051	62, 946	15, 338		
37		4. 2681	37	19, 895	43, 051	100. 0	43, 051	62, 946	14, 748		
38		4. 4388	38	19, 895	43, 051	100. 0	43, 051	62, 946	14, 181		
39		4. 6164	39	19, 895	43, 051	100. 0	43, 051	62, 946	13, 635		
		4. 80104	40	19, 895	43, 051	100.0	43, 051	62, 946	13, 035	 	
41		4. 9931	41	19, 895	43, 051	100.0	43, 051	62, 946			
42		5. 1928	42	19, 895	43, 051	100.0	43, 051	62, 946			
		5. 4005	43	19, 895		100. 0	43, 051	62, 946	11, 656		
		5. 6165	44	19, 895		100. 0	43, 051	62, 946			
45	H72	5. 8412	45	19, 895	43, 051	100.0	43, 051	62, 946	10, 776		
46	H 73	6. 0748	46	19, 895		100.0		62, 946	10, 362		
		便益額		, -	,		,	, -	1, 163, 903		
				の年数					.,		

3. 効果額の算定方法

(1) 作物生産効果

○効果の考え方

事業を実施した場合(事業ありせば)と実施しなかった場合(事業なかりせば)の作物生産量の比較により年効果額を算定した。

○対象作物

水稲、キャベツ、レタス、スイートコーン、スイカ、ネギ、ダイコン、花卉、トマト

○年効果額算定式

年効果額=単収増加年効果額*1+作付増減年効果額*2

- ※1 単収増加年効果額=作付面積×(事業ありせば単収-事業なかりせば単収)×単価× 単収増加の純益率
- ※2 作付増減年効果額=(事業ありせば作付面積-事業なかりせば作付面積)×単収× 単価×作付増減の純益率

〇年効果額の算定

###				作付面積	į			単 収		生産				
作物名 東新 現決 計画 面積 単収 単収 単収 単収 単収 単収 単収 単					効果	1	事業	事業	効果算定	増減量				
要新 日本		新設			発生	効果要因	なかりせば	ありせば	対象		生産物	増加粗		年効果額
The part of th	作物名	•	現況	計画	面積		単収	単収	単収					
Reg		更新			_				_	_				_
Page					1)				2	0 0	4	_	6	_
要新 195.7 195.7 195.7 195.7 195.7 195.7 195.7 195.7 195.7 195.8 28 511 488 945.2 217 205.108 77 157.933								. (10	. (10	÷100	7 m /	9	-	
************************************			ha	ha	ha		kg/10a	kg/10a	kg/10a	t	十円/t	十円	%	+14
新設 15.1 52.3 37.2 作行増減 4.921 5.561 5.561 2.068.7 74 153.084 19 29.086 新設 15.1 52.3 37.2 作行増減 4.921 5.561 6.40 9.66 74 7.148 79 5.647 新設 7.3 47.9 40.6 作行増減 3.883 4.388 1.781.5 74 131.831 19 25.048 新設 49.0 70.1 21.1 作付増減 3.883 4.388 505 36.9 74 6.8517 19 13.018 新設 49.0 70.1 21.1 作付増減 1.881 1.900 1.900 2.991.8 221.394 54.692 新設 1.2 1.5 0.3 作付増減 1.681 1.900 1.900 32.3 198 6.395 19 1.215 新設 6.2 7.9 1.7 作付増減 1.681 1.900 219 2.6 198 515 79 407 新設 6.2 湿潤かんがい 1.681 1.900 219 2.6 198 515 79 407 新設 6.2 湿潤かんがい 1.681 1.900 1.900 32.3 198 6.395 19 1.215 新設 6.2 7.9 1.7 作付増減 1.681 1.900 219 2.6 198 515 79 407 新設 6.2 湿潤かんがい 1.681 1.900 219 1.36 198 2.693 79 2.127 計計 54.2 10.732 3.944 5.4 2 10.732 3.944 5.7 2 10.7 2		更新	195.7	195.7	195.7	水管理改良	28	511	483	945.2	217	205,108	77	157,933
## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 19 29.086 ## 153.084 ## 153.084 19 29.086 ## 153.084 ## 153.084 19 29.086 ## 153.084 ## 153.084 19 29.086 19 29.086 19 29.0	水稲	新設	195.7	176.3	△ 19.4	作付増減	511	511	511	△ 99.1	217	△ 21,505		
春キャベツ 新設 15.1 湿潤かんがい 4,921 5,561 640 96.6 74 7,148 79 5,647 素財設 7.3 47.9 40.6 作付増減 3,883 4,388 4,388 1,781.5 74 131.831 19 25,048 新設 7.3 247.9 40.6 作付増減 3,883 4,388 505 36.9 74 2,731 79 2,157 新設 49.0 70.1 21.1 作付増減 3,883 4,388 925.9 74 68,517 19 13,018 新設 49.0 湿潤かんがい 3,883 4,388 505 247.5 74 18,315 79 14,469 メリタス 49.0 湿潤かんがい 1,681 1,900 1,900 5.7 198 1,129 19 2.1 31,129 19 2.1 31,129 19 2.1 31,129 19 2.1 31,129 19 2.1 31,129 19 2.1 31,129 19 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>計</td> <td></td> <td></td> <td></td> <td>846.1</td> <td></td> <td>183,603</td> <td></td> <td>157,933</td>						計				846.1		183,603		157,933
新設 7.3 47.9 40.6 作け増減 3.883 4.388 1.781.5 74 131.831 19 25,048 新設 7.3 47.9 40.6 作け増減 3.883 4.388 505 36.9 74 2.731 79 2.157 新設 49.0 70.1 21.1 作け増減 3.883 4.388 505 36.9 74 2.731 79 2.157 新設 49.0 湿潤かんがい 3.883 4.388 925.9 74 66.517 19 13.018 新設 1.2 1.5 0.3 作け増減 1.681 1.900 1.900 5.7 198 1.129 19 2.15 新設 1.2 温潤かんがい 1.681 1.900 2.19 2.6 198 5.15 79 40.7 新設 6.2 湿潤かんがい 1.681 1.900 2.19 2.6 198 5.15 79 40.7 新設 6.2 湿潤かんがい 1.681 1.900 2.19 2.6 198 5.15 79 40.7 新設 6.2 湿潤かんがい 1.681 1.900 2.19 2.6 198 5.15 79 40.7 新設 4.0 7.9 3.9 作付増減 1.681 1.900 2.19 13.6 198 2.893 78 2.127 新設 4.0 7.9 3.9 作付増減 1.289 1.482 57.8 266 15.375 9 1.384 スイートコーン 新設 4.0 7.9 3.9 作付増減 1.289 1.482 1.482 57.8 266 15.375 9 1.384 スイカ 新設 2.8 2.8 2.8 湿潤かんがい 1.289 1.482 1.482 57.8 266 15.375 9 1.384 ネギ(夏) 新設 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		新設	15.1	52.3	37.2	作付増減	4,921	5,561	5,561	2,068.7	74	153,084	19	29,086
等設 7.3 47.9 40.6 作付増減 3.883 4.388 4.388 1.781.5 74 131.831 19 25.048 新設 7.3 湿潤かんがい 3.883 4.388 505 36.9 74 2.731 79 2.157 新設 49.0 70.1 21.1 作付増減 3.883 4.388 505 36.9 74 2.731 79 2.157 新設 49.0 70.1 21.1 作付増減 3.883 4.388 505 247.5 74 18.315 79 13.018 計 2.991.8 221.334 54.692	春キャベツ	新設			15.1	湿潤かんがい	4,921	5,561	640	96.6	74	7,148	79	5,647
新設 49.0 70.1 21.1 作付増減 3.883 4.388 505 36.9 74 2.731 79 2.157 新設 49.0 70.1 21.1 作付増減 3.883 4.388 925.9 74 68.517 19 13.018 新設 49.0 湿潤かんがい 3.883 4.388 505 247.5 74 18.315 79 14.469 14.462 19.0 湿潤かんがい 1.681 1.900 1.900 5.7 198 1.129 19 215 新設 1.2 1.5 0.3 作付増減 1.681 1.900 219 2.6 198 515 79 407 407 新設 6.2 湿潤かんがい 1.681 1.900 219 2.6 198 515 79 407 407 407 407 407 407 407 407 407 407						計				2,165.3		160,232		34,733
多キャベツ 新設 49.0 70.1 21.1 作付増減 3.883 4.388 925.9 74 68.517 19 13.018 新設 49.0 湿潤かんがい 3.883 4.388 505 247.5 74 18.315 79 14.469 計 2.991.8 2.19.94 54.692 新設 1.2 1.5 0.3 作付増減 1.681 1.900 219 2.6 198 515 79 407 新設 6.2 7.9 1.7 作付増減 1.681 1.900 1.900 32.3 198 6.395 19 1.215 新設 6.2 7.9 1.7 作付増減 1.681 1.900 219 13.6 198 2.693 79 2.127 新設 4.0 7.9 3.9 作付増減 1.289 1.482 1.482 57.8 266 15.375 9 1.384 スイートコーン 新設 4.0 2.8 2.8 2.8 湿潤かんがい 1.289 1.482 1.482 193 7.7 266 2.048 81 1.653 オギ(夏) 新設 5.0 4.8 △1.0 作付増減(減分 1.977 1.977 1.977 △19.8 294 △5.623 2 △112 新設 0.8 作付増減(増分 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 2.8 2.8 2.8 2.8 湿潤かんがい 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 2.8 2.8 2.8 2.8 湿潤かんがい 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 湿潤かんがい 2.320 2.622 302 14.5 248 3.596 80 2.330 本ギ(秋冬) 新設 4.8 4.8 4.8 湿潤かんがい 4.021 4.624 4.624 74.0 60 4.440 15 666 新設 4.8 4.8 4.8 温潤かんがい 4.021 4.624 4.624 74.0 60 4.440 15 666 新設 0.5 0.5 0.5 湿潤かんがい 4.021 4.624 603 7.2 60 432 82 354 ドマト 新設 0.5 0.5 0.5 湿潤かんがい 3.6 417 41 0.2 177 2.3 83 19 トマト 新設 301.7 388.5 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9		新設	7.3	47.9	40.6	作付増減	3,883	4,388	4,388	1,781.5	74	131,831	19	25,048
新設 49.0 湿潤かんがい 3.883 4.388 505 247.5 74 18.315 79 14.469 計 2.991.8 221.394 54.692 新設 1.2 1.5 0.3 作付増減 1.681 1.900 1.900 5.7 188 1.129 19 215 新設 1.2 湿潤かんがい 1.681 1.900 219 2.6 198 515 79 407 新設 6.2 7.9 1.7 作付増減 1.681 1.900 219 2.6 198 5.18 79 407 新設 6.2 湿潤かんがい 1.681 1.900 219 13.6 198 2.693 79 2.127 新設 4.0 7.9 3.9 作付増減 1.289 1.482 1.482 57.8 266 15.375 9 1.384 スイートコーン 新設 4.0 2.8 2.8 湿潤かんがい 1.289 1.482 193 7.7 266 2.048 81 1.659 新設 4.0 湿潤かんがい 1.289 1.482 193 7.7 266 2.048 81 1.659 ホギ(夏) 新設 5.0 4.8 △ 1.0 作付増減(分) 1.977 1.977 △ 19.8 284 △ 5.623 2 △ 112 新設 0.8 作付増減(増分) 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 湿潤かんがい 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 湿潤かんがい 1.977 2.234 2.234 17.9 284 2.925 80 2.340 ホギ(秋冬) 新設 4.8 4.8 4.8 湿潤かんがい 2.320 2.622 302 14.5 248 3.596 80 2.877 ダイコン(秋冬) 新設 4.8 4.8 4.8 湿潤かんがい 2.320 2.622 302 14.5 248 3.596 80 2.877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4.021 4.624 4.624 74.0 60 4.440 15 666 新設 1.2 湿潤かんがい 4.021 4.624 603 7.2 60 432 82 354 下マト 新設 0.5 0.5 0.5 远潤かんがい 4.021 4.624 603 7.2 60 432 82 354 下マト 新設 0.5 0.5 0.5 远潤かんがい 4.021 4.624 603 7.2 60 432 82 354 下マト 新設 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9		新設			7.3	湿潤かんがい	3,883	4,388	505	36.9	74	2,731	79	2,157
新設 1.2 1.5 0.3 作付増減 1.681 1,900 1,900 5.7 198 1,129 19 215 新設 1.2 湿潤かんがい 1,681 1,900 1,900 32.3 198 6,395 19 1,215 新設 6.2 7.9 1.7 作付増減 1,681 1,900 1,900 32.3 198 6,395 19 1,215 新設 6.2 湿潤かんがい 1,681 1,900 219 13.6 198 2,693 79 2,127 計計 54.2 10,732 3,964 (1,732 3,964	冬キャベツ	新設	49.0	70.1	21.1	作付増減	3,883	4,388	4,388	925.9	74	68,517	19	13,018
新設 1.2 1.5 0.3 作付増減 1.681 1,900 1,900 5.7 198 1,129 19 215 新設 1.2 湿潤かんがい 1,681 1,900 1,900 32.3 198 6,395 19 1,215 新設 6.2 7.9 1.7 作付増減 1,681 1,900 1,900 32.3 198 6,395 19 1,215 新設 6.2 湿潤かんがい 1,681 1,900 219 13.6 198 2,693 79 2,127 計計 54.2 10,732 3,964 (1,732 3,964		新設			49.0	湿潤かんがい	3,883	4,388	505	247.5	74	18,315	79	14,469
等した										2,991.8		221,394		54,692
冬レタス 新設 6.2 7.9 1.7 作付増減 1,681 1,900 1,900 32.3 198 6,395 19 1,215 新設 6.2 湿潤かんがい 1,681 1,900 219 13.6 198 2,693 79 2,127 スイトコーン 新設 4.0 7.9 3.9 作付増減 1,289 1,482 1,482 57.8 266 15,375 9 1,384 スイカ 新設 4.0 湿潤かんがい 1,289 1,482 193 7.7 266 2,048 81 1,659 スイカ 新設 2.8 2.8 湿湿潤かんがい 3,831 4,406 575 16.1 146 2,351 80 1,881 ネギ(夏) 新設 5.0 4.8 △ 1.0 作付増減(減分) 1,977 1,977 1,977 △ 19.8 284 △ 5,623 2 △ 112 新設 0.8 作付増減(減分) 1,977 2,234 2,79 284 5,084 2 102 新設 4.0 湿潤かんがいいがいがい 1,977 2,234 2,57 1		新設	1.2	1.5	0.3	作付増減	1,681	1,900	1,900	5.7	198	1,129	19	215
新設 6.2 湿潤かんがい 1,681 1,900 219 13.6 198 2,693 79 2,127 計 54.2 10,732 3,964 新設 4.0 7.9 3.9 作付増減 1,289 1,482 1,482 57.8 266 15,375 9 1,384		新設			1.2	湿潤かんがい	1,681	1,900	219	2.6	198	515	79	407
新設 6.2 湿潤かんがい 1,681 1,900 219 13.6 198 2,693 79 2,127 計 54.2 10,732 3,964 新設 4.0 7.9 3.9 作付増減 1,289 1,482 1,482 57.8 266 15,375 9 1,384	冬レタス	新設	6.2	7.9	1.7	作付増減	1,681	1,900	1,900	32.3	198	6,395	19	1,215
新設 4.0 7.9 3.9 作付増減 1.289 1.482 1.482 57.8 266 15.375 9 1.384					6.2		1,681	1,900	219	13.6	198	2,693	79	2,127
新設 4.0 7.9 3.9 作付増減 1.289 1.482 1.482 57.8 266 15.375 9 1.384						計				54.2		10.732		3.964
スイートコーン 新設 4.0 湿潤かんがい 1,289 1,482 193 7.7 266 2,048 81 1,659 計 65.5 17,423 3,043 3,043 スイカ 新設 2.8 2.8 湿潤かんがい 3,831 4,406 575 16.1 146 2,351 80 1,881 ネギ(夏) 新設 5.0 4.8 △ 1.0 作付増減(減分) 1,977 1,977 △ 19.8 284 △ 5,623 2 △ 112 新設 0.8 作付増減(増分) 1,977 2,234 2,234 17.9 284 5,084 2 102 新設 4.0 湿潤かんがい 1,977 2,234 2,57 10.3 284 2,925 80 2,340 計 2,386 2,330 ネギ(秋冬) 新設 4.8 4.8 4.8 湿潤かんがい 2,320 2,622 302 14.5 248 3,596 80 2,877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4,021 4,624 4,624 74.0 60 4,440 15 666 新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 1.2 1.020 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2		新設	4.0	7.9	3.9		1.289	1.482	1.482		266		9	
計	スイートコーン	新設			4.0	湿潤かんがい	1.289	1.482		7.7	266	2.048	81	1.659
スイカ 新設 2.8 2.8 2.8 湿潤かんがい 3,831 4,406 575 16.1 146 2,351 80 1,881 ネギ(夏) 新設 5.0 4.8 △ 1.0 作付増減(減分) 1,977 1,977 1,977 △ 19.8 284 △ 5,623 2 △ 112 新設 0.8 作付増減(増分) 1,977 2,234 2,234 17.9 284 5,084 2 102 新設 4.0 湿潤かんがい 1,977 2,234 2,57 10.3 284 2,925 80 2,340 本ギ(秋冬) 新設 4.8 4.8 湿潤かんがい 2,320 2,622 302 14.5 248 3,596 80 2,877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4,021 4,624 4,624 74.0 60 4,440 15 666 新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 市 8.9 8.9 8.9 3.9 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 301.7 388.5 301.7 388.						計	·			65.5		17,423		
ネギ(夏) 新設 5.0 4.8 △ 1.0 作付増減減分 1,977 1,977 1,977 △ 19.8 284 △ 5,623 2 △ 112 新設 0.8 作付増減(増分 1,977 2,234 2,234 17.9 284 5,084 2 102 新設 4.0 湿潤かんがい 1,977 2,234 257 10.3 284 2,925 80 2,340 ネギ(秋冬) 新設 4.8 4.8 湿潤かんがい 2,320 2,622 302 14.5 248 3,596 80 2,877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4,021 4,624 4,624 74.0 60 4,440 15 666 新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 市 1.2 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 301.7 388.5 301.7 388.5 9,639 11,085 1,446 128.7	スイカ	新設	2.8	2.8	2.8	湿潤かんがい	3.831	4.406	575	16.1	146		80	
新設 0.8 作付増減(増分 1.977 2.234 2.234 17.9 284 5.084 2 102 新設 4.0 湿潤かんがい 1.977 2.234 257 10.3 284 2.925 80 2.340 計 8.4 2.386 2.330 ネギ(秋冬) 新設 4.8 4.8 湿潤かんがい 2.320 2.622 302 14.5 248 3.596 80 2.877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4.021 4.624 4.624 74.0 60 4.440 15 666 新設 1.2 湿潤かんがい 4.021 4.624 603 7.2 60 432 82 354 1.2 湿潤かんがい 4.021 4.624 603 7.2 60 432 82 354 1.2 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 8.9 3 2湿潤かんがい 9.639 11.085 1.446 128.7 329 42.342 88 37.261 金計 新設 301.7 388.5			5.0	4.8			1.977	1.977	1.977	△ 19.8	284		-	-
新設 4.0 湿潤かんがい 1,977 2,234 257 10.3 284 2,925 80 2,340 計	. , , , , ,												-	
計 8.4 2.386 2.330 ネギ(秋冬) 新設 4.8 4.8 4.8 湿潤かんがい 2.320 2.622 302 14.5 248 3.596 80 2.877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4.021 4.624 4.624 74.0 60 4.440 15 666 新設 1.2 湿潤かんがい 4.021 4.624 603 7.2 60 432 82 354 市 81.2 4.872 1.020 花卉 新設 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 8.9 湿潤かんがい 9.639 11.085 1.446 128.7 329 42.342 88 37.261													\vdash	
木ギ(秋冬) 新設 4.8 4.8 温潤かんがい 2,320 2,622 302 14.5 248 3,596 80 2,877 ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4,021 4,624 74.0 60 4,440 15 666 新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 市 81.2 4,872 1,020 花卉 新設 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 29 29 753 合計 新設 301.7 388.5 648.954 299.753		171 1124					.,							-
ダイコン(秋冬) 新設 1.2 2.8 1.6 作付増減 4,021 4,624 4,624 74.0 60 4,440 15 666 新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 計 81.2 4,872 1,020 花卉 新設 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 湿潤かんがい 9,639 11,085 1,446 128.7 329 42,342 88 37,261 合計 新設 301.7 388.5 301.7 388.5 648.954 299.753	ネギ(秋冬)	新設	4.8	4.8	4.8		2.320	2.622	302		248		80	
新設 1.2 湿潤かんがい 4,021 4,624 603 7.2 60 432 82 354 計 81.2 1,020 花卉 新設 0.5 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 湿潤かんがい 9,639 11,085 1,446 128.7 329 42,342 88 37,261 合計 新設 301.7 388.5													\vdash	-
花卉 新設 0.5 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 湿潤かんがい 9,639 11,085 1,446 128.7 329 42,342 88 37,261 合計 新設 301.7 388.5 38.5 648.954 299.753	2 1 - 2 (1)(2)												-	
花卉 新設 0.5 0.5 0.5 湿潤かんがい 376 417 41 0.2 117 23 83 19 トマト 新設 8.9 8.9 8.9 湿潤かんがい 9,639 11,085 1,446 128.7 329 42,342 88 37,261 合計 新設 301.7 388.5 301.7 388.5 648.954 299.753		-171 HA			2		.,	., 1	230		50		Ħ	
トマト 新設 8.9 8.9 8.9 湿潤かんがい 9,639 11,085 1,446 128.7 329 42,342 88 37,261 合計 新設 301.7 388.5 648,954 299,753	花卉	新設	0.5	0.5	0.5		376	417	41		117		83	
合計 新設 301.7 388.5 648.954 299.753													-	
音評					0.0	13E (14) 75 7 0 75 0 7	0,000	. 1,000	1,440	120.7	020	,		
	台計					1						648,954		299,753

事業を実施した場合、農用地や水利条件の改良等が図られることから、立地条件の好転(湿潤かんがい)、作付増減及び既存の施設が更新されることに伴う 生産維持に係る作物生産量の増減効果を見込むものとした。

【新設】

・作付面積 : 「現況作付面積」は現地作付実績に基づき決定した。

「計画作付面積」は県、関係市町村の農業振興計画等を踏まえ決定した。

:「事業なかりせば単収」は現況単収であり、農林水産統計等による5ヶ年の平均単収により算定した。 「事業ありせば単収」は計画単収であり、効果発生要因別増収量+現況単収として算定した。 •単収

【更新】 •作付面積 •単収

:現況施設のもとで作物生産量が維持される面積であり、「現況作付面積」は現地作付実績に基づき決定し、「計画作付面積」は現況=計画とし

:「事業なかりせば単収」は用水機能の喪失時の単収であり、現況単収に効果要因別の失われる増収率分を減じて算定した。

「事業ありせば単収」は現況単収であり、農林水産統計等による5ヶ年の平均単収により算定した。

「効果算定対象単収」は事業ありせば単収と事業なかりせば単収の差である。

【共通】

・生産物単価 :農業物価統計による5ヶ年の販売価格に消費者物価指数を反映した価格を用いた。 •純益率 :「土地改良事業の費用対効果分析に必要な諸係数について」による標準値等を用いた。

(2) 品質向上効果

○効果の考え方

事業を実施した場合(事業ありせば)と実施しなかった場合(事業なかりせば)の生産物価格の比較により年効果額を算定した。

○対象作物

水稲、キャベツ、スイートコーン、スイカ、ネギ、ダイコン、花卉、トマト

○年効果額算定式 年効果額=効果対象数量+単価上昇額

〇年効果額の算定

		効果対	象数量	<u> </u>	生産物単価	5	単価原	句上額		年効果額		
作物名	効果 要因	機能維持	機能向上	事業なか りせば	現況	事業あり せば	現況一事 業なかり せば	事業あり せばー 現況	現況一事 業なかり せば	事業あり せばー現 況	計	
		1	2	3	4	(5)	6=4-3	7=5-4	(8)=(1) ×	9=2× 7	10=8+9	
		t	t	千円/t	千円/t	千円/t	千円/t	千円/t	千円	千円	千円	
水稲	湿潤かんがい	54.8	-	69	217	217	148	-	8,110	-	8,110	
春キャベツ	湿潤かんがい	-	2,908.4	74	74	83	-	9	-	26,176	26,176	
冬キャベツ	湿潤かんがい	-	2,101.9	74	74	83	-	9	-	18,917	18,917	
冬キャベツ	湿潤かんがい	1	3,076.0	74	74	83	-	9	-	27,684	27,684	
スイートコーン	湿潤かんがい	-	117.1	266	266	329	-	63	-	7,377	7,377	
スイカ	湿潤かんがい	-	123.4	146	146	158	-	12	-	1,481	1,481	
ネギ(夏)	湿潤かんがい	1	107.2	284	284	313	-	29	ı	3,109	3,109	
ネギ(秋冬)	湿潤かんがい	-	125.9	248	248	273	-	25	-	3,148	3,148	
ダイコン(秋冬)	湿潤かんがい	1	129.5	60	60	64	-	4	ı	518	518	
花卉	湿潤かんがい	1	2.1	117	117	134	-	17	-	36	36	
トマト	湿潤かんがい	-	986.6	329	329	337	-	8	_	7,893	7,893	
総計											104,449	

・効果対象数量:用水改良が実施されることにより機能維持が図られる生産量及び機能向上(湿潤かんがい)が図られる生産量。

・生産物単価 :「現況単価」は農林水産統計等による最近5か年の販売額に消費者物価指数を反映した価格を用いた。

水稲の事業ありせば単価は現況と同額。事業なかりせば単価は実証データによる単価減少率を考慮し決定。 畑作物の事業ありせば単価は湿潤かんがいによる単価向上率を考慮し決定。事業なかりせば単価は現況と同額。 (試験データのある作物について算定。)

(3) 営農経費節減効果

○効果の考え方

事業を実施した場合(事業ありせば)と実施しなかった場合(事業なかりせば)の労働費、機械経費、その他の生産資材費について比較し、それらの営農経費の増減により年効果額を算定した。

○対象作物

水稲、キャベツ、レタス、スイートコーン、スイカ、ネギ、ダイコン

○年効果額算定式

年効果額 = (事業なかりせば単位面積当り営農経費 - 事業ありせば単位面積当り営農経費) × 効果発生面積

○年効果額の算定

算定例:水稲 (用水改良:水管理作業に要する経費の増減)

キャベツ等 (用水改良:水管理作業に要する経費の増、防除用水作業に要する

経費の減)

〇年効果額の算定

		ha当たり	ha当たり	効果発生面積	年効果額		
		f設	更		経費		
作物名	現況	計画	事業なかりせば	事業ありせば	(1-2)		
	(事業なかりせば)	(事業ありせば)	営農経費	営農経費	+		
	1	2	3	4	(3-4)	6	7=5×6
	円	円	円	円	円	ha	千円
水稲	1,137,234	935,410			201,824	176.3	35,582
水稲			889,714	1,137,234	△ 247,520	195.7	△ 48,440
春キャベツ	1,465,383	1,145,239			320,144	52.3	16,744
冬キャベツ(畑)	1,465,383	1,145,239			320,144	70.1	22,442
冬キャベツ(田)	1,465,383	1,145,239			320,144	47.9	15,335
冬レタス(畑)	3,500,727	2,886,177			614,550	7.9	4,855
冬レタス(田)	3,500,727	2,886,177			614,550	1.5	922
スイートコーン	1,197,455	1,087,805			109,650	7.9	866
スイカ	2,968,632	2,894,767			73,865	2.8	207
ネギ(夏)	6,315,681	5,566,797			748,884	4.8	3,595
ネギ(秋冬)	6,315,681	5,566,797			748,884	4.8	3,595
ダイコン(秋冬)	2,660,089	2,230,295			429,794	2.8	1,203
計							56,906

【新設】

・事業なかりせば営農経費(①) :現況の営農経費を地元農家聞き取り等により算定した。

・事業ありせば営農経費(②) : 水資源機構営豊川用水二期事業を参考に営農技術体系や利用機械の種類、効率等が変化することによる 営農条件変化後の計画営農経費を算定した。

【更新】

・事業なかりせば営農経費(③) :用水施設の機能が喪失したことを想定し、用水管理の営農経費を算定した。

・事業ありせば営農経費(④) :現在の機能を維持するための現況営農経費であり、地元農家聞き取り等により算定した。

(4)維持管理費節減効果

○効果の考え方

事業を実施した場合(事業ありせば)と実施しなかった場合(事業なかりせば)を比較し、施設の維持管理費の増減をもって年効果額を算定した。

○対象施設

ダム、頭首工、用水路、揚水機場等

○年効果額算定式

年効果額 = 事業なかりせば維持管理費 - 事業ありせば維持管理費

○年効果額の算定

事業なかりせば維持管理費	事業ありせば維持管理費	年効果額	備考
①	2	3 = 1 - 2	
千円	千円	千円	現況維持管理費
3, 899	30, 880	△26, 981	73,054千円

・事業なかりせば維持管理費(①):施設の実績維持管理費を基に、施設の機能を失った場

合において安全管理等に最低限必要な維持管理費を算

定した。

・事業ありせば維持管理費 (②):効果算定対象施設の実績維持管理費を基に算定した。

(5) その他の効果(国産農産物安定供給効果)

○効果の考え方

国産農産物の安定供給に対して国民が感じる安心感の効果であるため、一般国民に対してWT P (Willingness To Pay: 支払意思額)を尋ねることで、その価値を直接的に評価する手法であ るCVM (Contingent Valuation Method:仮想市場法)により年効果額を算定した。

○対象作物

水稲、キャベツ、レタス、スイートコーン、スイカ、ネギ、ダイコン、トマト

○年効果額算定式

年効果額 = 年増加粗収益額 × 単位食料生産額当たり効果額

○年効果額の算定

区分	増加粗収益額	単位食料生産額当たり効果額 (効果額/食料生産額)	当該土地改良事業に おける効果額
		(
	(1)	(2)	$3=1\times2$
	千円	円/千円	千円
新設整備	443, 823	97	43, 051
更新整備	205, 108	97	19, 895
合 計			62, 946

增加粗収益額

(①):作物生産効果の算定過程で整理した作物生産量を基に、 事業ありせば増加粗収益額及び事業なかりせば増加粗収 益額を整理した。

単位食料生産額当たり効果額(②):年効果額の算定に用いる単位食料生産額当たり効果額は 一般国民に対し国産農産物の安定供給についてWTPを 尋ねるCVMにより、97円/千円(原単位)とした。

4. 評価に使用した資料

【共通】

- ・農林水産省農村振興局整備部(監修)[改訂版]「新たな土地改良の効果算定マニュアル」大成出版社(平成27年9月5日第2版第1刷発行)
- ・土地改良事業の費用対効果分析に必要な諸係数について(平成19年3月28日付け農林水産省 農村振興局企画部長通知(平成27年3月27日一部改正))
- ・土地改良事業の費用対効果分析に必要な諸係数等について(平成27年3月27日付け農村振興 局整備部土地改良企画課課長補佐(事業効果班)事務連絡)

【費用】

・費用算定に必要な各種諸元は、水資源機構営豊川用水二期事業計画変更(第2回)資料及び 愛知県農林水産部農地計画課調べ

【便益】

- ・東海農政局統計部「東海農林水産統計年報」(第57次~第61次)(第50次~第54次)
- ・国営矢作川総合第二期地区(平成24年)「水稲の収量・品質に関する実証調査」
- · 総務省統計局「農業物価統計」(農産物品目別月別全国平均販売価格)【http://www.maff.go.jp/j/tokei/kouhyou/noubukka/】
- ・便益算定に必要な各種諸元は、水資源機構営豊川用水二期事業計画変更(第2回)資料及び愛知県農林水産部農地計画課調べ