

# Addendum to: Sugar Research Development Corporation – Review of Research and Development Program

Date: December 16, 2009

Extract of information required for reporting to Rural RDC body

RDC	Project	Start	End	Main contributors	Project cost (Nominal \$)
SRDC	A New Cropping System for The Central District	2004	2009	BSES	\$489,655
SRDC	Evaluation of Genotypes for a Controlled-Traffic Farming	2006	2011	BSES	\$773,916
SRDC	Enhancing an Economic Way of Doing Business in the Cane	2005	2008	DEEDI, BSES	\$240,000
SRDC	A regional partnership approach to developing a sustainable sugar cane system	2003	2009	MAS	\$323,622

		All NPVs in 2007/08 dollars (inflation assumed to be 3%)						
		NPV 0	NPV 5	NPV 10	NPV 15	NPV 20	NPV 25	NPV 30
SRDC	A New Cropping System for The Central District	(\$450,942)	\$360,647	\$2,963,267	\$7,022,550	\$11,065,093	\$14,737,022	\$18,072,315
SRDC	Evaluation of Genotypes for a Controlled-Traffic Farming	(\$406,628)	(\$373,884)	\$1,977,657	\$6,329,918	\$11,444,214	\$16,089,639	\$20,309,179
SRDC	Enhancing an Economic Way of Doing Business in the Cane	(\$258,608)	\$347,257	\$1,746,070	\$3,728,981	\$5,969,104	\$7,325,188	\$8,879,980
SRDC	A regional partnership approach to developing a sustainable sugar cane system	(\$366,875)	\$82,822	\$1,121,079	\$2,592,876	\$3,991,619	\$5,262,126	\$6,416,158

		BCR 0	BCR 5	BCR 10	BCR 15	BCR 20	BCR 25	BCR 30
SRDC	A New Cropping System for The Central District	0.0	1.7	6.6	14.3	21.9	28.9	35.2
SRDC	Evaluation of Genotypes for a Controlled-Traffic Farming	0.0	0.5	3.6	9.4	16.1	22.2	27.8
SRDC	Enhancing an Economic Way of Doing Business in the Cane	0.0	2.3	7.8	15.4	24.1	29.3	35.3
SRDC	A regional partnership approach to developing a sustainable sugar cane system	0.0	1.2	4.1	8.1	11.9	15.3	18.5

		<b>IRR 0</b>	<b>IRR 5</b>	<b>IRR 10</b>	<b>IRR 15</b>	<b>IRR 20</b>	<b>IRR 25</b>	<b>IRR 30</b>
<b>SRDC</b>	A New Cropping System for The Central District	Negative	15.2%	31.3%	34.7%	35.5%	35.7%	35.7%
<b>SRDC</b>	Evaluation of Genotypes for a Controlled-Traffic Farming	Negative	Negative	24.9%	31.5%	33.1%	33.4%	33.5%
<b>SRDC</b>	Enhancing an Economic Way of Doing Business in the Cane	Negative	24.4%	37.6%	40.2%	40.7%	40.8%	40.8%
<b>SRDC</b>	A regional partnership approach to developing a sustainable sugar cane system	Negative	8.5%	22.4%	26.0%	27.0%	27.3%	27.4%

Information regarding preparation of the above extract.

- Total Project cost (nominal) and Total Expected benefits for the benefit realization phase (nominal) were provided.
- To approximate nominal costs Total Project cost was straight lined over the project phase. (Total project cost / number of years in project phase)
- PV (Costs, Benefits and Total), where 2007/08 is present, were calculated using compounding interest formula and 5% discount rate.
- Cumulative PV (Costs, Benefits and Total) were calculated by summing each year's PV with all previous year's PVs.
- Cumulative BCR was calculated as Cumulative Benefits / Cumulative Costs.
- IRR was calculated using IRR function in Excel for all nominal cash flows of the current and previous years.
- NPV 0, NPV 5, NPV 10 etc. represent the cumulative NPV for the first 0, 5, 10 etc. years starting at 2007/08.
- BCR 0, BCR 5, BCR 10 etc. represent the cumulative Benefit to Cost ratio for the first 0, 5, 10 etc. years starting at 2007/08.
- IRR 0, IRR 5, IRR 10 etc. represent the internal rate of return for the first 0, 5, 10 etc. years starting at 2007/08.