

Principal Report

Dean Carslake

EFFECTIVE LEADERSHIP

An overall feeling of gratitude has dominated the 2020 academic year as the world struggled with the global COVID-19 pandemic. In one of the safe parts, the Midwest/North Midlands, of one of the safest states, WA in one of the safest states, in Australia, in the world, we were constantly reminded of just how lucky we are to live, learn and work, where we live.

The College Leadership and Governance continue to pursue excellence in agricultural education, with a focus on providing the best possible residential educational experience for all students. The 2019-2021 Business Plan places Health and Wellbeing and Teaching, Learning and Training as the key priorities for the College, encompassed in a focus on Residential Care. These are front and centre in all decisions and work at the College.

SUCCESS FOR ALL STUDENTS

The College has worked very hard over a number of years to create an alternate pathway to tertiary studies through university. 2020 saw the first graduate from WACOA-Morawa with a Certificate III in Agriculture. This provides direct entry into a Curtin University Associate Degree in Agribusiness through the Geraldton Universities Centre. While the College still provides a combined ATAR course with Morawa DHS, this alternate pathway provides additional students with the opportunity to further their studies at tertiary level. The College ATAR program, despite being small in numbers again showed great success. With one student taking ATAR exams in 2019 and achieving an ATAR of 90. In 2020, one student gained direct entry into a Double Degree in Agriculture and Agribusiness through the University of Western Australia. This is a credit to this student and the College teaching and training Staff for enabling this outstanding success.

HIGH QUALITY TEACHING AND TRAINING

The curriculum continues to be expanded with the addition to Scope of a Certificate II in Horse Care. This allows students greater choice and better provides for students from the pastoral areas.

Another highlight of 2020 was the graduation of 6 District High School students. The College provides access for students from Morawa and Carnamah DHS's to complete Certificate II in Automotive and Certificate II in Engineering Pathways. While it has taken three years to have the first graduates, this is now a well-established program which offers excellent training and employment opportunities for District High School Studies, allowing them greater choice and keeping them in our local communities. This has been one of the most significant achievements of the North Midlands Education, Industry and Training Alliance (NMEITA).

A very strong year 10 cohort has been enrolled at the College for 2021 and the Trial Program and TV advertising are proving valuable in building quality student numbers. While student numbers are still impacted by the small cohort going through, these students are in year 12 in 2021 and all indications are that student numbers will continue to grow strongly and the Residential Campus is expected to be full in 2022. The strength of the 2019 Year 10 cohort sees 8 students enrolled in an ATAR Course in Year 11, further strengthening the College as a school of choice.

STRONG GOVERNANCE AND SUPPORT

College case management of individual students has also seen an overall improvement in the numbers of students completing all three Certificates and required WACE subjects, towards WACE Graduation. OLNA continues to be the biggest single factor in students not attaining WACE Graduation. It is very pleasing that despite not gaining Level 3 in all 3 OLNA, students have been able to succeed in passing WACE subjects and Certificates. Although WACE Graduation has not been achieved for those students, due to OLNA, student destination data has been strong, with all Year 12 students obtaining employment, training or further studies in the agricultural industry.

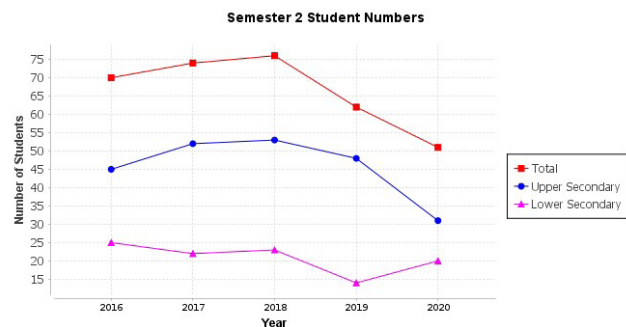
I thank all members of the College Board and Ag Advisory Committee for their dedication and support of the College over the past 12 months. The time, effort, knowledge and skill that these industry and community members provide to support the College students is both vital, and greatly appreciated.

A highlight of 2020 was having local Federal member Ms Melissa Price, Minister for Defence Industry, present the 2020 ADF long Tan Awards.

Thank you to the College staff for the professional way in which the move to On-line learning during COVID was handled and to all parents and students for their support with this, resulting in limited disruption and no significant impact on student learning or results.



Student numbers



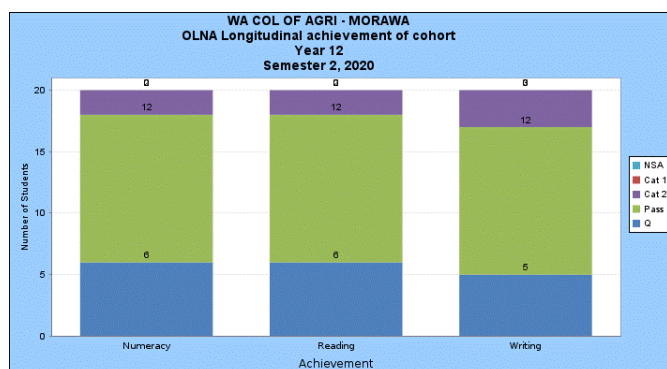
Semester 2	2016	2017	2018	2019	2020
Lower Secondary	25	22	23	14	20
Upper Secondary	45	52	53	48	31
Total	70	74	76	62	51

Student Numbers: The small intake of Yr 10 students continues to indicate reduced numbers across the college. Student intakes of 25 per cohort would be ideal to return and sustain 2018 numbers.



Literacy and Numeracy

OLNA



OLNA Performance Comparison (Year 12)

	OLNA								
	Reading %			Writing %			Numeracy %		
	Pre-qual	Achieve	Increase	Pre-qual	Achieve	Increase	Pre-qual	Achieve	Increase
School	27.8	88.9	61.1	22.2	83.3	61.1	27.8	83.3	55.5
Other WACOA	39.5	99.4	59.9	20.8	97.5	76.7	50.9	98.9	48.0
WA - All schools	57.8	97.6	39.7	51.8	97.3	45.5	59.6	96.3	36.7

OLNA: WACOA Morawa achieved a 59.2% improved in OLNA achievement across all three OLNA Standards compared to 61.5% - Other WACOA, and 40.7% - WA All schools. This data reinforces positive outcomes for students and supports the additional programs and structures we have in place to support OLNA achievement. In agricultural colleges OLNA achievement is the signal biggest factor in students not attaining their WACE.

WACE Attainment

WACE Achievement			
	Cohort	Achieved	%
WACOA	18	15	83
Other WACOA	179	172	96.1
WA all schools	24335	22265	91.5

WACE Attainment: 2020 percentage is lower than like and state comparisons which can be attributed primarily to OLNA attainment. Inclusion of the VET Primary Industry program linked to the Certificate II in Agriculture supports student WACE Attainment with additional course points toward WACE attainment

ATAR Examination Performance Report

ANIMAL PRODUCTION SYSTEMS			
Average Scaled Score	School	Like Schools	State (DoE)
2018	33.7	43.6	43
2019	59.1	51.6	51.8
2020	58	47.3	47.8
ENGLISH			
Average Scaled Score	School	Like Schools	State (DoE)
2018	41.9	43.1	56.8
2019		49.3	56.5
2020	53.7	46.6	56.6
MATHEMATICS: APPLICATIONS			
Average Scaled Score	School	Like Schools	State (DoE)
2018	41.1	42.3	53.5
2019		50.5	53.4
2020	49.8	48.4	53.9
PLANT PRODUCTION SYSTEMS			
Average Scaled Score	School	Like Schools	State (DoE)
2018	48	42	42.3
2019	63.3	50.2	50.6
2020	66.5	46.2	47.1



VOCATIONAL QUALIFICATIONS ACHIEVED

National Training Outcome

Qualification		Number Enrolled	Number Achieved	% Achieved
AHC20116	Certificate II in Agriculture	18	18	100.0%
AHC30116	Certificate III in Agriculture	8	1	12.5%
AUR20716	Certificate II in Automotive Vocational Preparation	18	16	88.8%
MEM20413	Certificate II in Engineering Pathways	18	17	94.4%

Number of Certificates Completed	Number of Students	Total Number of Certificates
0	0	0
1	1	1
2	1	2
3	15	45
4	1	4
Total Achieved:		52

Destination data 2020 Graduates (all students, no Aboriginal students in 2020)

2020 Graduate Destination Data (All students)				
	Ag Related	Non Ag Related		
Employment	4	0	Looking for work	0
Apprenticeship/ Further training	13	0	Unknown	0
University	1	0	Full Time Training	0



Participation and Attendance

- Due to COVID no reporting required

Vocational Education and Training

Matthew Purser

SUCCESS FOR ALL STUDENTS

To obtain WACE, students must achieve at least one Certificate II combined with other courses of study. W.A. College of Agriculture - Morawa, students obtained an average of 2.9 Certificate II's for 2020. Most students studied 3 Certificate Courses with 15 of 18 students (83%) achieving 3 Certificate II qualifications. One student obtained 4 Certificates with the addition to scope of AHC 30116 Certificate III in Agriculture. With the new AHC30116 Certificate III Agricultural certificate pathway, allowing direct entry to Curtin University Associate Degree in Agribusiness, through Geraldton Universities Centre or Muresk Institute. 8 students enrolled achieving many competencies and 1 student achieving the qualification.

Destination Data for 2020 was extremely positive with all students obtaining work or further studies in Agricultural related industries. 13 students (72%) obtained apprenticeships or traineeships with reputable Agricultural Machinery dealers and Servicing companies. 4 students (22%) full time paid employment, and 1 student enrolled at University.

HIGH QUALITY TEACHING AND TRAINING

All work experience is structured to meet the needs of the school community to create career pathways and successful post-school transitions. VET programs at W.A. College of Agriculture - Morawa continued to showcase the many ways that students successfully engage with training and industry. 26 students completed work experience building skills for their VET qualification's, gaining transferable skills and a well-rounded understanding of different industry areas. Some students completed work experience at businesses where they subsequently commenced their apprenticeship. Students also were enrolled in vocational education and training (VET) industry specific Primary Industries course which provides students with the opportunity to achieve nationally recognised vocational qualifications under the Australian Qualifications Framework (AQF) and to gain additional School Curriculum and Standards Authority course unit credit towards the Western Australian Certificate of Education (WACE).

Additional aims for students enrolled in VETIS are to collect evidence towards achievement of units of competency. Develop positive attitudes towards work. Apply skills acquired in an industry context. Develop additional employability skills and knowledge. Actively engage with industry.

As part of the College RTO compliance Year 12 students are surveyed on questions relating to training quality, work readiness, training conditions and learner engagement. All students responded "Agree and Strongly Agree" to the survey which reinforces our quality of training and response to learner needs therefore maximising the outcomes for our students.



Residential Report

Steven Taylor

RESIDENTIAL CARE - HIGH CARE - HIGH PERFORMANCE

We place student health, well-being and residential care at the heart of the college, underpinning student achievement and success - it is at the centre of everything we do.

LEADERSHIP

College Captains for 2020

Bryce Thomas and Sophie McCagh



STUDENT VOICE

Student Council

Aidan Currath
Ann Jacobs
Bradley Innes
Bryce Thomas
Jacinta Williamson

Jamie Sadler
Kane Smallwood
Megan Letton
Samuel Croll
Sophie McCagh

Residential Prefects

Merkanooka 2 IC	Cameron Letton	Canna 2 IC	Sophie McCagh
Pintharuka 2 IC	Jack Homewood	Tilley 1	Jasmine Glass
Koolanooka 1	Harrison Reay	Tilley 2	Bradley Innes
	Axel Ward	Jai Cox	
Koolanooka 2	Byrce Thomas	Koolanooka 2	Josh Harley

SUPPORT

Policy Changes

- The Student Handbook is in the process of being updated.
- Student participation in modifying the policies at the Residential Campus with regards to student behaviour.
- A review of the Policy and Procedures to align with the Australian Boarding Standards.
- A number of committees continued to assist in the management of the college and Residential Campus.

Facility upgrades

- Gym equipment upgrade.
- New swing-away basketball boards.
- Installed security screens on Gutha Dorm windows.
- Foxtel room been divided to provide a music room and club room for students to socialise in.
- CCTV upgraded.

- Wireless access upgraded.
- Foxtel has had a facelift with colour bond recladding.
- Preventative maintenance through-out the year.

PARTNERSHIPS

Residential

- Staff and students enjoyed Bar-B-Q at the local pool to welcome the new intake of students.
- Weekend activities was well supported by all students
- All students have been inducted on the correct use of gym equipment.
- Merkanooka (A) dorm where treated to a meal out for best dorm semester one.
- Tilley (F) dorm where treated to a meal for best dorm semester two.

Major community events/excursions

- All year 10 & 11 Students participated in team building activities held at the Residential Campus during their first week.
- The College students attended the following events: Adventure World; Movie & shopping trips throughout the year. Combined Ag Wing Carnival involving the other WACoA colleges. Combined College/District High School Ball where students and their partners looked very smart and were a credit to both themselves and the College. ANZAC and Remembrance Day; Farm Skills and Pastoral Well-being Camp to Perth.
- Belle of the Ball – Sophie McCagh
- Beau of the Ball – Bradley Innes



Sporting Achievements

- Finished 3rd at the Combined Agricultural Sports Carnival with less than 5 points between 1st and 3rd.
- Students regularly played football, netball and hockey for the local Clubs. The students performed well with the Football League winning the Grand Final.
- Individually students participated in football, basketball, badminton, cricket, squash, corporate lawn bowls, golf and hockey at local and district levels.



TEACHING, LEARNING AND TRAINING

The College priorities of Teaching, Learning and Training have been at the forefront of agricultural enterprises this year, reinforced by 100% of graduates obtaining a Certificate II in Agriculture. To achieve this, the farm enterprises support the learning outcomes of students as outlined below.

Cropping

Statistics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Years
Rainfall (mm) for year 2020	0.2	84.0	12.2		3.6	29.8	20.4	21.6	59.6	4.0	1.4	10.6		164.34

2020 turned out to be a productive year for the College though we did not have a huge amount of rainfall. With a patchy start to the rainfall in the growing season we were able to make a start dry seeding in the 3rd week of May. We had substantial falls in early June with the dry sown crops up and out of the ground. The seeding program due to the late start, we omitted canola from the program. We seeded more pasture for grazing of our stock, this provided to be a very good option. The grazing options were mostly Yagan barley plus a new barley grazing option of Dictator Barley. Dictator is a black barley and this was very interesting to see it through its growth phases. We also hosted a grazing options trial where we seeded a variety of seeds including barley, wheats, oats, canola and turnips.



Students were actively engaged with calibrating the seeder bar for these different varieties as these were planted over a wide range of weights from 3kgs – 60kgs. This trial was part of the MFIG Field Day with over 50 people coming to our trial and seeing our results from the varieties sown. All students spent time across all agricultural equipment including seeding operation, spraying, driving the multi spreader, spreading urea and monitoring crop establishment.

Following the shaky start, paddocks sown for hay did yield quite well with some 70 large rolls and 1400 small squares of oaten hay produced. This hay was of a very high quality having a lot of green leaf and the grain was at the milky stage when it was cut. Students were keen to operate the bailer and to be involved with all aspects of the hay carting process.

Cattle

We had 10 dry cows following mating in 2019. These dry cows were sold along with 3 heifers and 5 bull yearlings at Muchea. I made the decision to sell off this surplus stock as we had limited stocks of hay and the dry cows would be out of production for another year costing the enterprise a considerable loss. Calving in 2020 resulted in 19 cows calving with 100% of the cows calved with one cow having twins. One smaller calf died in the first week leaving 19 calves. These were grown out to weaning and these calves have shown the benefit of better pasture management, grazing strategies and were weaned

in late November. Mr David Mills is the new sheep and cattle TO and he is doing a Champion job at playing catch up to get the enterprises back into good shape and calving earlier rather than later as is the current case. To date 2 older cows have returned empty and these have been culled and sent to Muchea.

Sheep

The sheep enterprise continues to evolve under the new management of Mr Mills. The ewes on hand are a mix of FI border leister merino and merino ewes. Merino and Poll Dorset rams were put over various ewe management groups. Lambing was 130% in FI ewes, merinos 110% and maiden ewes just on 100%.



Mr Mills worked hard to keep all the management groups in good shape until the new seasons grass came through, with the use of limited grain in lick feeders and hay fed out using the feed out wagon. There had been little grain budgeted from the previous harvest for feeding out, so the sheep at times did struggle. Salt bush was used for grazing and this proved very handy over the lambing periods. We trailed the new NUMB NUTS method for castration and found this very effective and this offered a pain free castration method. We did not mules in 2020 and just tail docked and castrated. We will receive an added bonus for our wool sold in the future as we will be able to market it as non mulesed. There were few ewe or lamb deaths during the year due to improved management strategies and David Mills is to be commended on his management.

We will review the mix of ewes in the sheep flock with possibly phasing out the FI ewes as they become too old, losing their teeth and becoming unproductive. These ewes are often pretty big for learner students to shear and this is defeating the purpose of having suitable sheep for learner shearers to learn on. The fertility and wool quality of the merino ewes is not an issue and the return on investment per head is always higher from a productive merino ewe.

Feed lotting stock

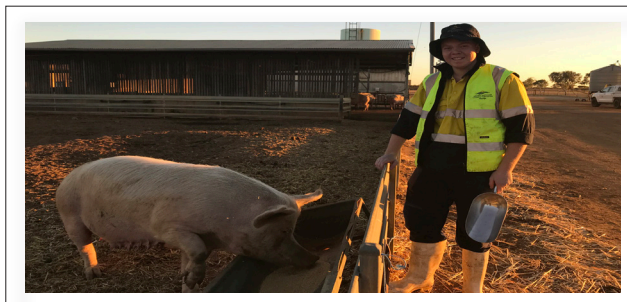
Students learnt valuable skills in feed lotting as all lambs and hoggets were custom fed prior to slaughter. This gave the abattoir well finished stock that met market specifications. We have trialled confinement feeding and this has proven a valuable tool for keeping our stock growing, preparing for lambing and maintaining condition prior to sown pastures becoming available. We have purchased a paddock of barley stubble and though this has been difficult to bale due to the weather we are incorporating this into our rations and this is proving a



cheap feeding option. We have all the cattle, prime lambs and rams in confinement areas, using a barley straw and grain mix which is being eaten up completely and there is little to no wastage. We will continue to investigate this as a management strategy for the future. I were able to purchase 2 additional feeders that will handle this bulky ration.

Piggery

The piggery has huge potential. Following coming to the College in May I have culled a lot of the older sows that were too big to fit into the crates and those not fertile. There were no piglets born from December – May and this has left a hole in our production estimates. The numbers of piglets are back on track and we now have a shed that it full most of the time. Unproductive sows are being sent to the Abattoir and we now have a predominately 1.2 year – 8 months aged sow group.



We have continued with the PIC sows and boars. These genetics are working well for our requirements. The Three springs butcher is also taking a porker every second week and he is pleased with the quality. The piggery provides an ideal learning tool for the students in relation to animal husbandry as students can see the whole life cycle of the animals in a relatively short time which is easy to observed. Students are involved in the production of the feed rations and they can use this information when looking at animal nutrition.

STRATEGIC DIRECTION FOCUS

COMMUNITY LINKS

Abattoir

The volume processed at the abattoir has continued to build momentum. Along with supplying the residence, we are now supplying on a weekly basis Three Spring butcher and IGA Morawa butcher shops lambs and hoggets.



We have had outstanding feedback from both butchers that our Lambs are a fare superior quality to those they have previously purchased from DBC. A wider variety of cuts for the Boarding facility are coming out from the Abattoir and these include more pork cuts, schnitzels, ribs and a wider variety of sausages. We have been able to sell a greater number of porkers both live and

cut up across a wide range of customers from surrounding areas.

INNOVATION AND TECHNOLOGY

Dung Beetles

We are continuing to work with MIG with their Dung Beetle research specialist. We are trialling propagating beetles in the horticulture area and to date this has proven to be very interesting to staff and students. We will be involved with a research project in 2021 to investigate the effects on seeder bar disturbance on beetle populations. We plan to continue our involvement with this project as there are some very good learning outcomes for us being involved. We have received good media coverage for the College when showcasing this initiative.



TARGETED MARKETING

Primary Awareness

This was incorporated with Open Day in 2020. This event saw many students from surrounding schools attending the College and this day was very popular with both staff and students showcasing Agriculture programs here at the College.

We will continue to build on this day, coming up with ways to involve and engage students and having a snap shot of what the College is teaching students in Agriculture, Engineering, Automotive and Class room activities.



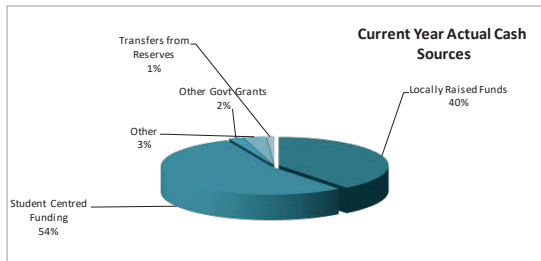
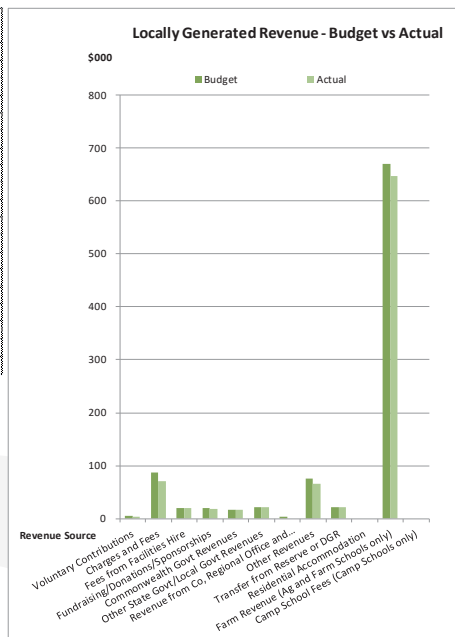
FINANCIAL REPORT

www.morawaag.wa.edu.au

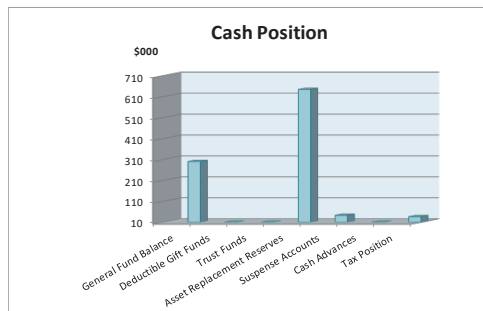
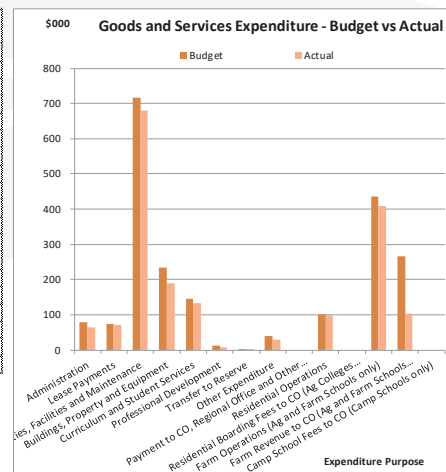
Located at Waddilove Road MORAWA, WA 6623 Phone: 08 9971 1158 Fax: 08 9971 1334

WACOA - Morawa Financial Summary at 1 February 2021

Revenue - Cash & Salary Allocation	Budget	Actual
1 Voluntary Contributions	\$ 5,170.00	\$ 3,692.40
2 Charges and Fees	\$ 86,917.00	\$ 71,250.40
3 Fees from Facilities Hire	\$ 19,821.00	\$ 19,820.46
4 Fundraising/Donations/Sponsorships	\$ 20,195.00	\$ 18,678.14
5 Commonwealth Govt Revenues	\$ 17,012.00	\$ 17,012.00
6 Other State Govt/Local Govt Revenues	\$ 22,325.00	\$ 22,325.00
7 Revenue from Co, Regional Office and Other Schools	\$ 3,760.00	\$ -
8 Other Revenues	\$ 76,145.00	\$ 65,426.17
9 Transfer from Reserve or DGR	\$ 21,954.00	\$ 21,954.00
10 Residential Accommodation	\$ -	\$ -
11 Farm Revenue (Ag and Farm Schools only)	\$ 669,905.00	\$ 647,481.02
12 Camp School Fees (Camp Schools only)	\$ -	\$ -
Total Locally Raised Funds	\$ 943,204.00	\$ 887,639.59
Opening Balance	\$ 155,817.00	\$ 155,817.05
Student Centred Funding	\$ 1,042,658.00	\$ 1,042,657.94
Total Cash Funds Available	\$ 2,141,679.00	\$ 2,086,114.58
Total Salary Allocation	\$ -	\$ -
Total Funds Available	\$ 2,141,679.00	\$ 2,086,114.58



Expenditure - Cash and Salary	Budget	Actual
1 Administration	\$ 79,057.00	\$ 63,279.11
2 Lease Payments	\$ 74,603.00	\$ 70,420.79
3 Utilities, Facilities and Maintenance	\$ 715,517.00	\$ 678,579.57
4 Buildings, Property and Equipment	\$ 233,041.00	\$ 189,653.61
5 Curriculum and Student Services	\$ 146,137.64	\$ 134,081.19
6 Professional Development	\$ 13,500.00	\$ 7,575.66
7 Transfer to Reserve	\$ 2,416.00	\$ 2,416.00
8 Other Expenditure	\$ 39,355.96	\$ 30,519.19
9 Payment to CO, Regional Office and Other Schools	\$ -	\$ -
10 Residential Operations	\$ 100,000.00	\$ 99,064.90
11 Residential Boarding Fees to CO (Ag Colleges only)	\$ -	\$ -
12 Farm Operations (Ag and Farm Schools only)	\$ 434,531.00	\$ 408,336.47
13 Farm Revenue to CO (Ag and Farm Schools only)	\$ 265,240.00	\$ 102,206.60
14 Camp School Fees to CO (Camp Schools only)	\$ -	\$ -
Total Goods and Services Expenditure	\$ 2,103,398.60	\$ 1,786,133.09
Total Forecast Salary Expenditure	\$ -	\$ -
Total Expenditure	\$ 2,103,398.60	\$ 1,786,133.09
Cash Budget Variance	\$ 38,280.40	\$ -



Cash Position as at:	
Bank Balance	\$ 1,023,110.60
Made up of:	\$ -
1 General Fund Balance	\$ 299,981.49
2 Deductible Gift Funds	\$ -
3 Trust Funds	\$ -
4 Asset Replacement Reserves	\$ 644,110.93
5 Suspense Accounts	\$ 42,684.18
6 Cash Advances	\$ -
7 Tax Position	\$ 36,334.00
Total Bank Balance	\$ 1,023,110.60

Excellence and Innovation in Agricultural Education