



Farm News

July 2020

Targeting Carbon Reduction on farm

The reduction of carbon emissions has become a priority issue for all industrial sectors across the globe. Reducing the carbon footprint is a fundamental part of every milk processor's sustainability agenda and a challenge that Milk Suppliers must embrace in order to future proof their farm enterprise.

In recognising this challenge, Dairygold took the industry leading step to provide all Milk Suppliers with a measure of the carbon footprint of their dairy enterprise. The most important first step in achieving improvement is knowing the base line you are starting from.

The carbon footprint, in the case of dairy farming, is a measure taken to determine the total greenhouse gas emissions that comes directly and indirectly from a farm and its practices in the production of milk.

Dairygold is focussed on helping its suppliers to move forward in achieving the next step in carbon reduction, that is to achieve a 40% reduction to the average Carbon Footprint of Dairygold suppliers by 2030.

Currently between 1.5% and 4% of our suppliers are already achieving this target. How? By taking advantage of the best genetics available, by ensuring that soil fertility, grass management and herd health are optimized and by reducing waste and losses from all facets of their system.

Here are just some of the actions that can help you to reduce your carbon footprint:

- soil sample and target your fertilizer applications to reach Index 3 (where the soil fertility level is considered sufficient for good grass growth) on all lands;

- participate in the Milk Recording and Herd Health programme;

- use AI on all replacements, breed to high EBI bulls and compact calve;

- grass measure, use a grazing plan, increase days at grass and maximise grass production and usage;

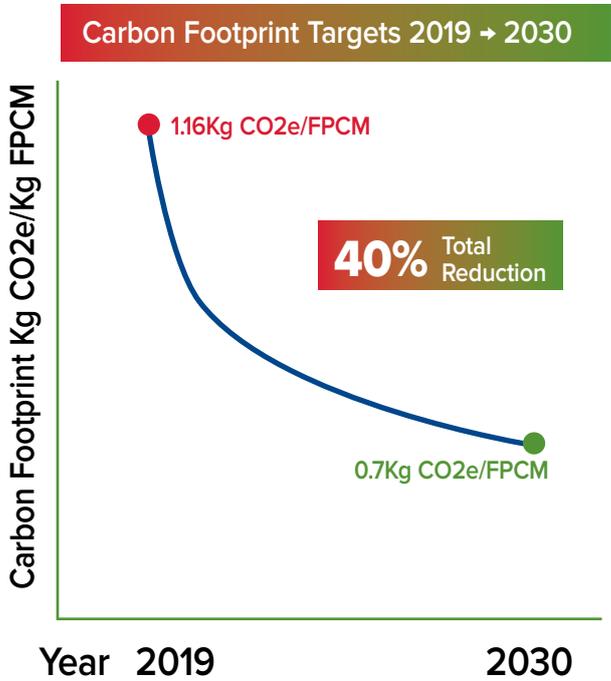
- use technologies that reduce wasted fuel, fertilizer and energy e.g. solar panels, variable speed drive, GPS guidance on precision fertilizer spreaders etc;

- use low emissions slurry spreading (LESS) and apply only when environmental conditions are optimal;

- use protected Urea to save up to 80% losses in extreme weather (very dry or very wet).

If suppliers can succeed in achieving this goal of 0.7 kg CO₂e/Kg FPCM, then not only will the environmental impact be meaningfully reduced, but farm finances will be also be significantly improved.

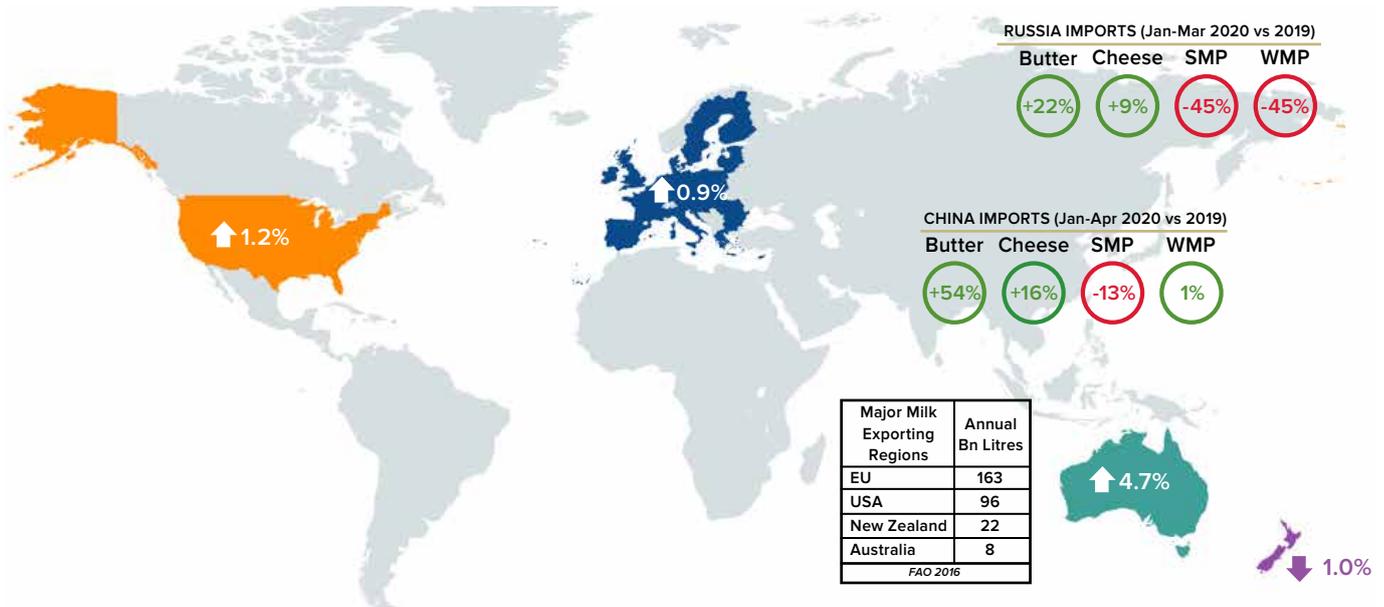
Your Society undertakes to use all available resources to help you achieve this target. In achieving this goal, Dairygold suppliers will be helping to secure a better future, for themselves and for all of society.



CO-OP SUPERSTORES REMINDS YOU TO ALWAYS
THINK SAFETY
WHEN OPERATING FARM MACHINERY
OR HANDLING LIVESTOCK



GLOBAL MILK PRODUCTION & TRADE



SUPPLY SIDE

- **EU** milk production increased in May 2020 compared to the same month in 2019.
- **US** milk production increased in May 2020 compared to May 2019.
- **New Zealand** milk production decreased in May 2020 compared to the same month in 2019.
- **Australian** milk production increased in May 2020 compared to the same month in 2019.

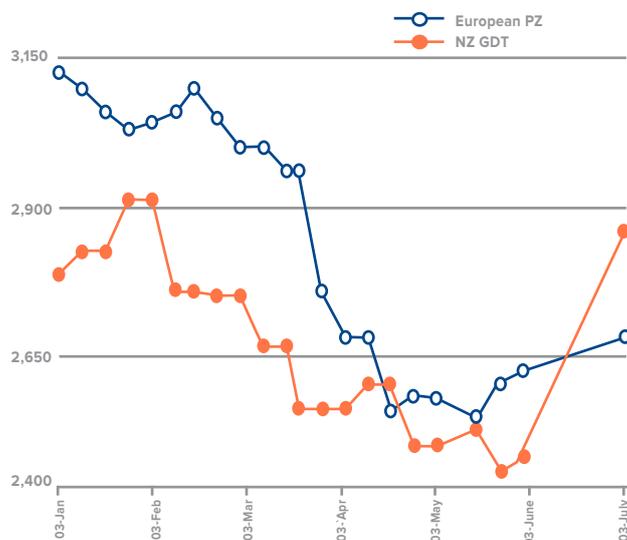
DEMAND SIDE

- Global demand for milk powder weakened in Q1 2020.
- In **China** demand for butter and butteroil has strengthened (+54%), imports of WMP have increased slightly (+1%), however, SMP imports are down (-13%).
- In the **Japan**, cheese imports have decreased on 2019 levels (-12%). **US** cheese imports are also down (-3%).
- Butter demand in **China** (+54%), **Russia** (+22%) and **Australia** (+23%) is strong but has weakened in **Turkey** (-82%) and the **EU** (-47%).

MARKET OUTLOOK AND PRICING

GDT YTD 2020

YTD 2020
Whole Milk Powder Pricing (EUR)



WHOLE MILK POWDER	SKIM MILK POWDER	BUTTER	MILK FAT	CHEDDAR
0.7%	-13.5%	-19.5%	-25.1%	-7.9%
€2,841 (7/07/2020)	€2,386 (7/07/2020)	€3,292 (7/07/2020)	€3,526 (7/07/2020)	€3,332 (7/07/2020)
€2,820 (7/01/2020)	€2,709 (7/01/2020)	€3,606 (7/01/2020)	€4,412 (7/01/2020)	€3,594 (7/01/2020)

INDEX 1039 (7/01/2020) 996 (7/07/2020) **-4.3%**

The latest GDT auction confounded expectations with a healthy increase, driven by buying activity in South East Asia, and buoyed by the fact that a substantial volume of powder was offered for immediate delivery which created a flurry of activity. Meanwhile as countries continue to battle through COVID-19 at different stages, a very fragmented demand picture is emerging. Buyers are still somewhat nervous about going long, and the Foodservice/Retail mix is dependent on where individual countries are in terms of their lockdowns.

Milk Supply

Dairygold milk supply for June 2020 was +2.72% on June 2019 milk volumes.

Daily Milk Collection

As per the 2020 Milk Purchasing Terms & Conditions, Milk Suppliers whose bulk tanks have insufficient capacity to hold two days milk, will incur a charge of €100 per collection for each collection over 16 in any month.

In 2020, milk will not be collected from non-refrigerated tanks and drivers have been advised accordingly.

Practical Advice when preparing for Remote Audits

As a result of COVID-19, Bord Bia are carrying out remote SDAS audits which involve the uploading of photos to a unique weblink issued to the milk supplier in advance of the audit. The areas reviewed in a remote audit are similar to those that are examined during an on-farm SDAS inspection.

The following advice should be noted when preparing for a remote audit:

- As soon as the audit is scheduled you should check the weblink received in the text from Bord Bia to view your audit requirements.
- If you feel that you are not proficient with technology and the uploading of photographic evidence, then you should forward the weblink to a family member (or any other support that may be available) to assist with the process.
- Photos can be uploaded to the weblink by smart phone, iPad or through a computer.

Phase Two of Irish Johne's Control Programme - Register now

Phase Two of the Irish Johne's Control Programme is open to all dairy farmers across the country, based on voluntary participation. Phase Two of the IJCP commenced in January 2019 and has the support of all stakeholders involved in the programme, recognising it as delivering a sustainable and internationally credible programme for Ireland.

Funding is being provided by DAFM, individual milk processors and farmers with a commitment from DAFM and milk processors to maintain financial supports over a four year period. This funding will assist herdowners to carry out whole herd testing, Veterinary Risk Assessment and Management Planning (VRAMP) and ancillary testing where required. A funded Targeted Advisory Service on Animal Health (TASAH) will also be available to positive herds.

Financial supports

Whole herd testing

Milk processors are providing financial support for whole herd testing for three years of the Phase 2 Programme. In 2020, the level of financial support available to all herdowners, whether new entrants for 2020 or already in the programme is €2.06 per eligible animal tested in 2020. Thereafter, funding for herds in the test-negative pathway will be in accordance with the information set out below.

Programme Year of registration	Funding support /eligible animal
2 (2020)	€2.06
3 (2021)	€1.38
4 (2022)	Nil*

It is anticipated that after four consecutive years of test-negative results, herds will move to a lower-intensity maintenance testing programme – details of which are to be announced in the near future. For further information, contact your Milk Advisor. Registration can also be completed through the AHI website www.animalhealthireland.ie

Checklist of areas to submit evidence

The following is a list which includes the main items that will be required for Milk Suppliers to submit prior to the scheduled audit date.

Documents and Records

- Veterinary purchases records
- Remedy usages records
- Feed purchases records
- Spraying usages records
- Water test report
- Herd Register
- Blue Cards / Passports
- Farm Safety Risk Assessment
- Knackery Dead Animal Receipts
- Milk Collection Dockets
- Completion of Sustainability Survey

Farm Facility Photos

- Dairy – Bulk Tank Area
- Milk Collection Area
- Parlour Area
- Milking Equipment
- Silage Storage Area & Meal Storage Area
- Crush and Handling Facilities
- Medicine Storage Cabinet
- First Aid Kit
- Waste Plastic stored
OR Receipt confirming collection
- Photos of stock on the farm

Help and Assistance

For technical assistance with the remote audit process please phone the Bord Bia Helpdesk on 01-5240410.

For further information contact the Dairygold Helpdesk on 1890-200-840 or your local Milk Advisor.

MILK ADVISOR ON WEEKEND CALL

Arrangements for emergency milk issues July-August 2020
Information desk lo-call number for milk related queries is 1890-200-840

25th/26th July
William Ryan
086 246 1633

1st/2nd/3rd August
Denis Guiry
086 809 8639

8th/9th August
Jack Cahill
086 262 8290

15th/16th August
Ger Hennessy
086 852 0792

Chlorate & Trichloromethane (TCM) Residues in Milk

1. How do I know if I'm using a chlorine free (CF) detergent product?

Chlorine free products contain sodium hydroxide (caustic) and are identified as CF. Products labelled as detergent/sterilisers contain sodium hydroxide and chlorine (sodium hypochlorite) and are not permitted to be used in the milking parlour and bulk tank.

2. Is the correct amount of CF detergent being used?

It is important to have the right amount of water at the right temperature with the required amount of detergent. Firstly, you need to know the capacity of your wash up trough and always calculate the amount of detergent to the amount of water required. Do not add additional detergent outside of what is recommended on the label. In auto washers the suction probes need to be wash out completely and recalibrated. Some CF liquid detergents are more viscous so uptake rate maybe slower. So, it is important that you keep an eye on this.

3. How many hot washes are required in a week?

A minimum of seven hot washes are required a week where three of the hot washes are with an acid-based product. Larger plants may require fourteen hot washes a week depending on the complexity of the plant. If using a caustic based powder fewer hot washes may be required but follow manufacturers recommendations.

4. How much hot water and what is the optimum temperature for my plant and bulk tank?

9L/unit with a starting temperature of 75°C - 80°C and return temperature of 45°C - 55°C. It is important to check the temperature of the hot water in the wash up trough with a thermometer. 14L/unit is required for the rinse cycle after the detergent.

The main wash cycle in the bulk tank needs to be 50°C - 55°C.

- ◆ Milking machine (Hot wash) – 9L (2 gallons) of water/unit e.g. 16 units X 9L = 144L
- ◆ Bulk Tank – 9,000L (9,000L X 0.02 (2%*)) = 180L
*this may vary depending on make and capacity of bulk tank. Contact a bulk tank manufacturer/technician to clarify percentage water requirement per cycle.

Total Hot water usage: 144L + 180L = 324L*

*If washing both the milking machine and bulk tank on the same day.

- ◆ When calculating your total water requirements don't forget about the additional water needed e.g. feeding calves in the spring.

5. How many minutes should my hot wash take to complete?

7 – 10 minutes is max. Any longer and the plant cools down and fat and protein deposits may re-attach back on to the milking line.

6. How many acid washes are required in the week in the plant and bulk tank?

Three hot acid washes are required a week in the milking plant especially where lime may be an issue. At least one hot acid wash is required in the week for the bulk tank.

Some Milk Suppliers have pre-set their bulk tank to do an acid wash after every 2nd milk collection.

"All in one" products are also available which clean, disinfect and descale. They can be used in the milking machine and bulk tank.

7. What should one do if lime is an issue in the water supply?

Use an acid based descaler at least three time a week and consider doing it daily if required on the machine and every second wash on the tank. Some "All in one" nitric acid based maybe required. Consider treating the water especially the supply to the water heater.

8. Do I need to use peracetic acid in my wash routines?

Some caustic based products require peracetic acid to be used in the wash programme. Peracetic acid can be used in the final rinse as a replacement to chlorine. As peracetic acid evaporates over time it is not necessary to rinse out the plant before the next milking. It is important that peracetic acid is added to a fresh rinse after the detergent rinse.

9. Can I retain a caustic detergent solution for 2 milkings?

CF products contain higher caustic levels (hot water 0.7% & cold 1%) compared to detergent/steriliser products (0.5%). Liquid based caustic detergents contain between 21 – 29% caustic and for this reason it is not advisable to retain the same wash solution for the next milking. Powder based caustic detergents contain > 72% caustic and may be retained for a subsequent milking's due to the high caustic percentage but follow manufacturers recommendations.

10. Can some teat dips contain chlorine?

Some teat dips may contain Chloride or Chlorine Dioxide. Care needs to be taken if pre-dipping cows with these dips and always follow manufacturer's instructions on the label. Always wipe the product off the teats before attaching the cluster.

Please contact your Milk Quality advisor for further clarity or questions

PRODUCT NAME	LIQUID/POWDER	AVAILABLE SIZES	USAGE RATE	USAGE RATE
Dairygold CF Dairy Hygiene range available in store			COLD	HOT
GOLD ASSURE UNIVERSAN CF	Liquid	20L/200L	450ml/45L	300ml/45L @ 70°C
CIRCODINE CF	Powder	10 Kg/20 Kg	227g/45L	180g/45L @ 60°C
AVALKSAN GOLD STANDARD CF	Liquid	25L/205L/1000L	400ml/45L	400ml/45 L @ 75°C
DEOSAN OSA-N	Liquid	20L/200L	280ml/40L	280ml/40L @ 70-80°C
DEOSAN LIQUID CIP	Liquid	20L	200ml/40L	200ml/40L @ 70-80°C

Additional information can also be found at:

https://www.dairygoldagri.ie/farm_focus/chlorine-free-brochure

or on the Dairygold MyMilk App in the documents section.



2020 LOAN NOTE OFFER

The Dairygold Milk Planning Census 2020 – 2025 completed earlier this year forecasts a moderate and incremental milk production expansion by Dairygold Milk Suppliers over the next five years.

On the basis of those milk supply forecasts, modest capital investment will allow us to manage the expected increases in milk volumes and also facilitate more strategic investment in higher margin business opportunities.

For the next phase of our funding strategy for the period 2021 to 2025, the Dairygold Board has decided to establish a new voluntary Member Funding initiative, the first element of which is the opportunity to voluntarily invest in a new Loan Note programme.

There are two Loan Note options available and the minimum investment is €1,000 per option:

OPTION 1

A 3 Year Loan Note accruing interest at 3.0% + 3 month EURIBOR p.a. and/or

OPTION 2

A 5 Year Loan Note accruing interest at 3.5% + 3 month EURIBOR p.a

It is recommended that Members interested in investing in the 2020 Loan Note Offer should read the Information Memorandum and the enclosed documents in full, and should consult with their solicitor, accountant or other financial advisor in relation to the legal, tax, financial and other considerations of the 2020 Loan Note Offer.

The Application form and an Information Memorandum containing details of the 2020 Loan Note Offer is available for viewing and download by Members on Gateway which may be accessed at www.dairygold.ie, or by request in hard copy from the Group Company Secretary's office.

If you have any questions in relation to the 2020 Loan Note Offer, please contact Valerie Woodcock at the Group Company Secretary's office on 025 – 44068.

COVID-19 Standard Operating Procedure

As normality is slowly returning, Dairygold urges farmers and suppliers not to become complacent and continue to follow the standard operating procedure that has been put in place during COVID-19. The Standard Operating Procedure (SOP) details the procedure that is being undertaken by Dairygold's Milk Suppliers and Agri Customers if a case of Coronavirus (COVID-19) is confirmed on their farm.

Procedure:

1. If a supplier/customer contracts or suspects they have contracted COVID-19, they must contact Dairygold who will in turn inform the relevant haulier who will notify their driver.
2. The supplier/customer (or whoever is carrying out milking in their absence) must ensure they wear disposable gloves during milking and clean all surfaces that the driver will come into contact with during milk collection with detergent or sanitizing solution.

These include:

- o Door handles to dairy
- o Cover on top of milk bulk tank
- o Any other surfaces that the driver may come into contact with
- o Outlet of milk bulk tank
- o Washing equipment unit
- o Control switchboard of milk bulk tank

3. The supplier must provide a bin for the driver to dispose of gloves as he is leaving.

4. Personnel on the farm are to have strictly no personal contact with the driver once he enters the yard.

Dairygold would like to sincerely thank all of our members for your co-operation during these unprecedented times.

Dairygold farmer guidance for COVID-19 at farm level - Suppliers



Dairygold Demo Farms participate in ‘Smart Agri-Hubs Project’ to Improve Farm Sustainability

Since January 2020, all nine of Dairygold’s Demo farms have been fitted with monitors that will measure all electricity and water usage throughout their farm in real time. Installing this technology is just one aspect of the Smart Agri-Hubs Project.

This Dairygold/Teagasc Joint Program initiative has an overall goal of identifying key sustainability metrics on farm. This information will then facilitate the benchmarking and improvement of sustainability at farm level.

The project combines the use of on-farm sensors, existing farm data, internationally recognized models, integrated databases and will involve the participation of a variety of key players in Irish agriculture.

Data will be supplied by stakeholders such as the ICBF and information from agri-trading and the milk quality supply chain will be consolidated to aid in the development of metrics and benchmarks of sustainability. This information can then be provided back to the farmer so that sustainability on their farm can be improved.

The Smart Agri-Hubs project will run until the end of 2021. It is expected that the systems and service provided by this project will be replicated and utilized by Bord Bia primarily, allowing for the development of more useful and robust targets and measures to be achieved at farm level.

The participation of the Dairygold Demo farms in this project will ultimately help farmers to identify how they can most effectively improve their sustainability well into the future.



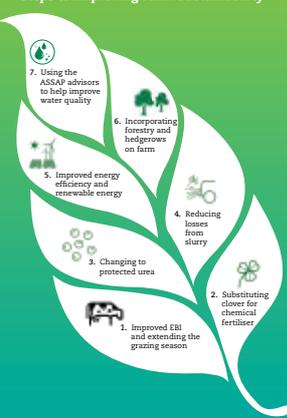
Above: Water meters for the Smart Agri-Hubs Project on the farm of John Galvin, Dunmanway. Demo farmer specializing in grassland management.

Advice on Farm Sustainability



Please contact Ciara Donovan, Farm Sustainability Advisor, for further information about Farm Sustainability on 086 793 0863 or via email at: cdonovan@dairygold.ie

7 Steps to Improving Farm Sustainability



The Teagasc “7 Steps to Improving Farm Sustainability” booklet is available to view on Gateway in the Publications section, via the Dairygold website - www.dairygold.ie or <https://dairygoldgateway.dairygold.ie>

€50 Monthly Voucher Winners

Michael Healy,
Upper Aghavrin Cross,
Aghavrin,
Coachford,
Co. Cork

Patrick T &
Daniel Mulcahy,
Gurteen,
Templeglantine,
Co. Limerick.

Denis and Mary
O'Connor Ltd,
Ballyhooleen,
Ballinhassig,
Co. Cork.

Use the Dairygold Postal Payment Envelope or pay by milk or grain offset and you could be a lucky winner!

Reducing time and motion with Batt-Latch system

Portable timer which mechanically releases a spring gate.

Strap around fence stake and connect to fence holder.

Solar powered operation.

Recommended to use a spring wire for full release of wire to gap.

Suitable for up to 8 metre span.



Fence post guaranteed to last 15 years



Advantages

Reduced lameness as cows walk at their own pace and less rushing.

Newest model can be controlled by mobile phone.

Can be programmed to open for a specific time or date.

"I couldn't farm without it as it saves me 5 hours per week"

Michael Ryan, Deansgrove, Cashel, Co. Tipperary

Leanfarm - Saving time, effort and money



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TRUST TOP QUALITY GOLD ASSURE AGRI-STRETCH SILAGE WRAP - BLACK OR PINK

25 Micron/Virgin C8 Resins for Superior Elasticity & Tear Resistance

- Ensures better preserved grass silage
- Double sided tack to keep air and water out

BULK BUY & SAVE



GOLD ASSURE



WE'VE GOT YOUR CHLORINE-FREE DAIRY HYGIENE ROUTINE COVERED



Chlorine-Free Detergents

Hot Water Solutions

Expert Advice



DIESEL



ELECTRIC



GAS

HOT WATER SOLUTIONS



Great Savings on Chlorine-Free Dairy Detergents
- see instore or online for our full range of offers

CALL INSTORE FOR EVERYTHING YOU NEED FOR YOUR CHLORINE-FREE DAIRY HYGIENE ROUTINE



Your local Milk Advisor is also available to assist with any queries relating to your chlorine-free wash routine

